Clarion®

Owner's manual

VX404E

DVD MULTIMEDIA STATION WITH 6.2" TOUCH PANEL CONTROL

CAUTIONS:

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.

OBS!

Apparaten innehåller laserkomponenten som
avger laserstrålning överstigande gränsen för laserklass 1.

!CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OWNER'S MANUAL MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

VAROITUS

Suojakoteloa si saa avata. Laite sisältää
laserdiodin, joka lähettää näkymätöntä
silmille vaarallista lasersäteilyä.

ADVARSEL.

Denne mærking er anbragt udvendigt på apparatet og indikerer, at apparatet arbejder med laserstråler af klasse 1, hvilket betyder,at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utilladelig kraftig
stråling.
APPARATET BØR KUN ÅBNES AF FAGFOLK MED SÆRLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLER!
Indvendigt i apparatet er anbragt den her gengivne advarselsmækning, som advarer imod at foretage sådanne indgreb i apparatet, at man kan komme til at udsaætte sig for laserstråling.

Contents

1. FEATURES 4
Expanding Systems 4
2. PRECAUTIONS 5
3. CAUTIONS ON HANDLING 7
Operation Panel 7
USB Port 7
Cleaning 7
Handling Discs 8
4.OPERATIONAL PANEL 10
Functions of Buttons 10
5. REMOTE CONTROL 11
Remote Control Functions 12
6. MAIN MENU 14
7. DVD VIDEO PLAYER OPERATIONS 15
Discs 15
Change DVD System Settings 16
Watching to a Disc 16
Operate the DVD Player Menu 17
Operating Video Files Player Menu 19
Switching Subtitles 19
Video Files List 19
Play DivX Video-On-Demand Files 19
Playable Video Disc Formats 20
8. CD PLAYER OPERATIONS 21
Listening to a Disc/Ejecting a Disc 21
Showing CD Player Mode Screen 21
Operate the CD Player Menu 21
Listening to Compressed Audio 22
Tag Display Function 22
9. USB/SD AUDIO OPERATIONS 24
Notes on Using USB/SD Memories 24
Select USB/SD Audio Mode 24
Playing Audio Files in USB/SD Memory 25
10. USB/SD VIDEO OPERATIONS 26
Notes on Using USB/SD Memories 26
Select USB/SD Video Mode 26
Playing Video Files in USB/SD Memory 26
Playable Video Format 26
11. iPod/iPhone OPERATIONS 28
Notes on using iPod/iPhone 28
iPod Audio ID3 Information 28
iPod Audio Playlist Mode Screen 29
iPod Video ID3 Mode Screen 30
iPod Video List Mode Screen 30
iPod Video Simple Control Mode Screen 30
iPod Video Play Mode Screen 31
iPod Audio Bluetooth Mode 32
12. Bluetooth AUDIO PLAYER OPERATIONS 33
Selecting the Bluetooth Audio Mode 33
Bluetooth Audio Player Settings 33
Registering your Bluetooth Audio Player (Pairing) 33
Selecting the Bluetooth Audio Player 34
Controlling the Bluetooth Audio Player 34

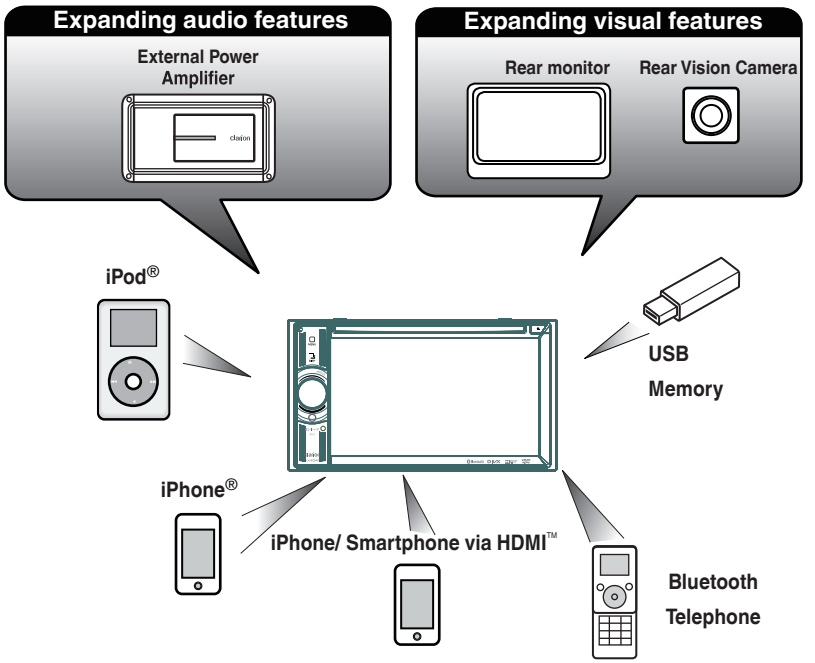
13. Bluetooth TELEPHONE OPERATIONS 35
Select the BT Phone Mode 35
Bluetooth Telephone Settings 35
Registering Your Cellular Phone (Pairing) 36
Select the Cellular Phone 36
Obtaining the Phone Book Data 36
Telephone Operations 36
14. TUNER OPERATIONS 38
15. DAB 40
16. HDMI MODE 42
Select HDMI source 43
Select DISP source 43
17. AUX 44
18. CAMERA INPUT OPERATIONS 44
19. REAR SOURCE OPERATIONS 45
DVD Video in Rear 45
DVD Video Rear Source Control Info Mode 45
DVD Video Rear Source Control Direct Mode 45
iPod Video in Rear 46
iPod Video Rear Source Control Play Mode 46
iPod Video Rear Source ID3 Mode 46
20. SETTING OPERATIONS 47
General Setup Menu 47
Video Setup Menu 47
Audio Setup Menu 48
Others Setup Menu 48
Set the Anti-Theft code 48
21. TROUBLESHOOTING 49
GENERAL 49
DVD PLAYER 49
USB/SD DEVICE 50
Bluetooth 50
TFT screen 51
22. ERROR DISPLAY 52
DVD PLAYER 52
23. SPECIFICATIONS 53
24. WIRE CONNECTION GUIDE 55

1. FEATURES

- **FLAC(Free Lossless Audio Codec) Compatible with ID3-TAG Display**
- **Built-in Bluetooth® Handsfree (HFP) and Audio Streaming (A2DP & AVRCP)**
- **Front-Panel Auxiliary Input and 6ch RCA Output with Subwoofer Control**

COMPACT disc DIGITAL AUDIO TEXT
DVD VIDEO
DOLBY DIGITAL
Bluetooth®
HDMI HIGH DEFINITION MULTIMEDIA INTERFACE
Made for iPod iPhone
USB
MP3/WMA
MP4
DIVX

Expanding Systems



NOTE:

•The items listed outside of the frames are the commercial products generally sold.

2. PRECAUTIONS

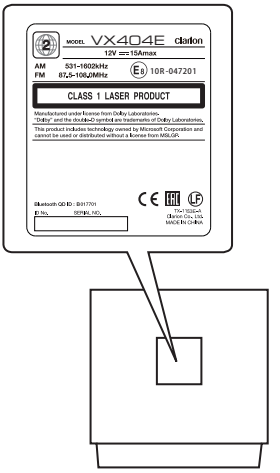
⚠ WARNING

- For your safety, the driver should not watch any video sources and/or operate the controls while driving. Please note that watching and operating any video sources while driving are prohibited by law in some countries. Also, while driving, keep the volume to a level at which external sounds can be heard.
- Do not disassemble or modify this unit. It may cause an accident, fire, or electric shock.
- Do not use this unit when a trouble exists, such as no screen content appears or no sound is audible. It may cause an accident, fire, or electric shock. For that case, consult your authorized dealer or a nearest Clarion service center.
- In case of a problem, such as any material has been entered in the unit, the unit gets wet, or smoke or strange smells come out of the unit, etc., stop using this unit immediately, and consult your authorized dealer or a nearest Clarion service center.
  Using it in that condition may cause an accident, fire, or electric shock.
- Use a fuse with the same specification only when replacing the fuse.
  Using a fuse with a different specification may causes a fire.
- For the installation of this unit or a change in the installation, ask your authorized dealer or a nearest Clarion service center for safety. Professional skills and experiences are required to do so.
- As the driver, you alone are responsible for your driving safety.
- In order to avoid a traffic accident, do not operate the system while driving.
- In order to avoid a traffic accident, operate the system only when the vehicle is stopped at a safe place and the parking brake is on.
- The software may contain inaccurate or incomplete information due to the passage of time, changing circumstances, and the sources of information used. Please respect current traffic conditions and regulations at all times while driving.
- Keep the amount of time spent viewing the screen while driving to a strict minimum.

1.When the inside of the car is very cold and the player is used soon after switching on the heater, moisture may form on the disc (DVD/CD) or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc (DVD/CD), wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2.Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

3.This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.


MODEL VX404E clarion
12V ⎓ 15Amax
AM 531–1602kHz
FM 87.5–108.0MHz
E8 10R-047201
CLASS 1 LASER PRODUCT
Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.
Bluetooth QD ID : B017701
ID No. SERIAL NO.
MADE IN CHINA
VX404E

3. CAUTIONS ON HANDLING

Operation Panel

For a longer service life, be sure to read the following cautions.

- The operation panel will operate properly in a temperature range of 0˚ to 60˚ C.
- Do not allow any liquids on the set from drinks, umbrellas etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the set in any way. Doing so may result in damage.
- Subjecting the operation panel to shocks may result in breakage, deformation or other damage.
- Do not let cigarettes burn the display.
- If a problem should occur, have the set inspected at your store of purchase.
- The remote control unit may not work if the remote control sensor is exposed to direct sunlight.

  *Remote control unit is sold separately.
- In extremely cold weather, the display movement may slow down and the display may darken, but this is not a malfunction. The display will work normally when the temperature increases.
- Small black and shiny spots inside the liquid crystal panel are normal for LCD products.

USB Port

- The USB memory sticks must be recognized as “USB mass storage class” to work properly. Some models may not operate correctly.

  When the memorized data is lost or damaged by any chance, Clarion shall not be liable for any damage.

  When using an USB memory stick, we recommend that you backup your data stored on it before by using a personal computer etc.
- Data files may be broken when using USB memory sticks in the following situation: When disconnecting the USB memory stick or turning the power off during writing or reading data. When affected by static electricity or electric noise. Connect/disconnect the USB memory stick when it is not accessed.
- Connecting with the computer is not covered.

Cleaning

- **Cleaning the cabinet**

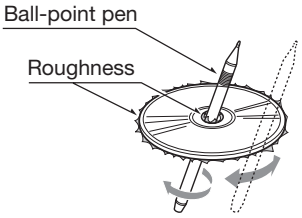
  Use a soft, dry cloth and gently wipe off the dirt. For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.

  Do not use benzene, thinner, car cleaner, etc., as these substances may damage the cabinet or cause the paint to peel. Also, leaving rubber or plastic products in contact with the cabinet for long periods of time may cause stains.
- **Cleaning the liquid crystal panel**

  The liquid crystal panel tends to collect dust, so wipe it off occasionally with a soft cloth. The surface is easily scratched, so do not rub it with hard objects.

Handling

- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.



  Never stick labels on the surface of the disc or mark the surface with a pencil or pen.
- Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to get it back out of the DVD player or it may damage the DVD player.
- Do not use discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause missoperation or damage.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose discs to direct sunlight or any heat source.
- Do not expose discs to excess humidity or dust.
- Do not expose discs to direct heat from heaters.

Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.
- After using special disc cleaner, let the disc dry off well before playing it.

On Discs

- Never turn off the power and remove the unit from the car with a disc loaded.

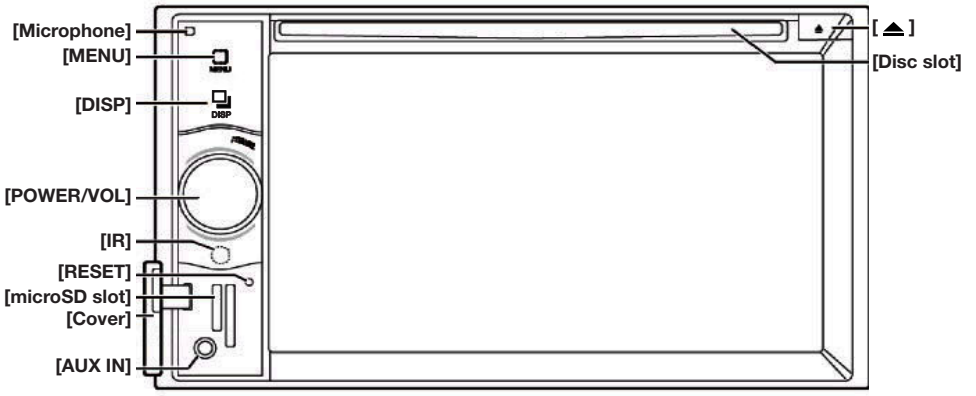
⚠ CAUTION

For your safety, the driver should not insert or eject a disc, opening the operation panel while driving.

⚠ About the registered marks, etc.

- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation.
  Reverse engineering or disassembly is prohibited.
- Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.
- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
  iPhone, iPod, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
  Lightning is a trademark of Apple Inc.
- The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth® SIG, Inc. And any use of such marks by Clarion Co., Ltd. is under license. Other trademarks and trade names are those of their respective owners.
- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.
  DivX Certified® to play DivX® video, including premium content. Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274
  ABOUT DivX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation.
  This is an official DivX Certified® device that has passed rigorous testing to verify that it plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.
  ABOUT DivX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

4.OPERATIONAL PANEL



Functions of Buttons

[POWER/VOL] Knob

- Press this knob to turn on the power.
- Keep pressing this knob more than 2 second to turn off the power.
- Turn this knob to left or right to decrease or increase the volume of the system.

[DISP] Button

- Press this button to display the HDMI video screen .

[⏏] Eject Button

- Press to eject disc from the unit.

[MENU] Button

- Press this button to display main menu; press again to return current source.
- Press and hold this button for 2 seconds to turn off the monitor. Press any place of the screen to turn on the monitor again.

[RESET] Button

- Press this button to hardware reset the unit.

Note: *When the* ***[RESET]*** *button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.*

[microSD slot]

Note: The microSD card is for music and video.

[AUX IN]

AUX 1 Connector.

[Microphone]

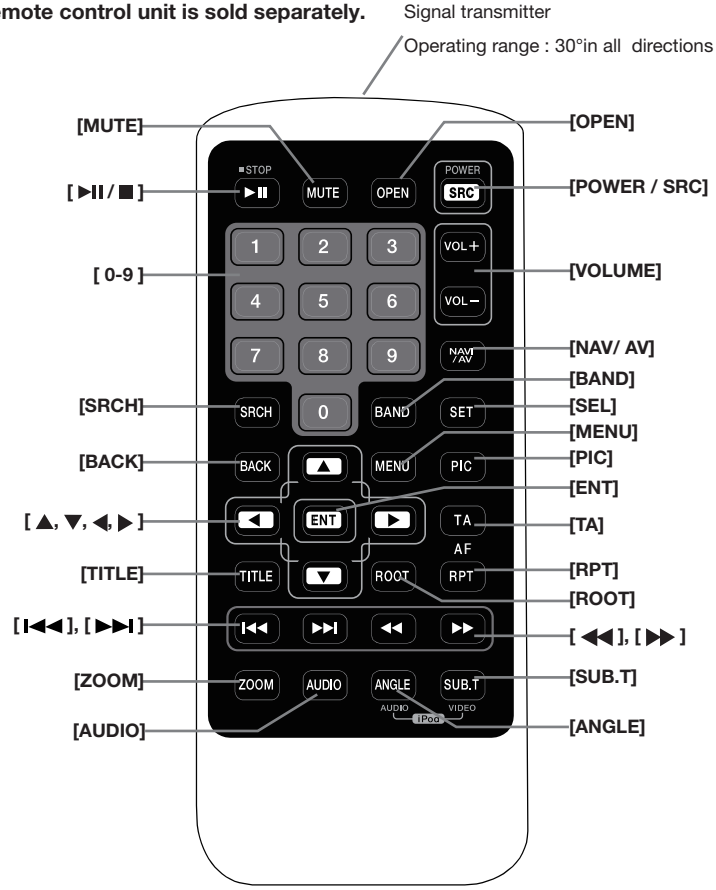
This is used for Bluetooth phone.

[IR] SENSOR

- Receiver for the remote control unit (operating range: 30 degree in all directions).

5. REMOTE CONTROL (OPTIONAL)

***Remote control unit is sold separately.**



Replacing the batteries

1. Press the retention tab and pull out the battery tray and remove the old battery.
2. Insert the new CR2025 battery and slide the battery tray back in the remote control the same direction that you removed it. Please ensure the tray is inserted in the correct direction.

⚠ CAUTION

- Keep the battery out of the reach of children.
  Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

⚠ CAUTION

- Use one CR2025 (3V) lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if battery in incorrectly replaced. Replaced only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

▶Important

- Do not store the remote control in high temperatures or direct sunlight.
- The remote control may not function properly in direct sunlight.
- Do not let the remote control fail onto the floor, where it may become jammed under the brake or accelerator pedal.

Remote Control Functions

You can use the remote control unit to control the VX404E.

*Remote control unit is sold separately.

Note:

- *The wireless remote control operation may not be optimal in direct sunlight.*

[▶II / ■] Button

- Press this button to play or pause video and audio media.
- Press this button more than 1 second to stop video and audio media.

[MUTE] Button

- Mute or Unmute the speaker.
- The symbol on upper right area of the screen indicates that speaker is muted.

[POWER/SRC] Button

- Press this button to move the focus to next available source item on main menu.
- Press this button to power on when the unit is power off.
- Press this button more than 1 second to power off when the unit is power on.

[0 - 9] Buttons

- Use in the Key Pad screen to select the radio.
- Use to select the track in the track list screen.
- Press to enter DVD video chapters/titles in the Key Pad screen.

[VOLUME] Buttons

- Increase and decrease volume.

[NAVI/AV] Button

- No function.

[SRCH] Button

- Press this button to open chapter or title search window while playing DVD.

[BAND] Button

- Switch to next band alternately.

[SET] Button

- Press this button to open the Audio setting menu in any mode.

[BACK] Button

- Press this button to quit main menu if current screen is main menu.

[▲], [▼], [◀], [▶] Buttons

- Press this button for cursor movement in main menu or Setting mode.
- From the main menu, you can select your desired source or change your settings.

[MENU] Button

- Press this button to enter the MAIN MENU or return current resource.

[PIC] Button

- Press and hold this button to change your monitor Dimmer.

[ENT] Button

- Press to fix the entered data in the Key Pad screen or enter the item the cursor is on.

[TA] Button

- Press the button to set TA On or Off.

[TITLE] Button

- Press to go to the title menu on the DVD.

[ROOT] Button

- Press to go to the root menu on the DVD.

[RPT] Button

- Press to perform chapter repeat / title repeat / repeat off while playing DVD mode.
- Press to perform Repeat Track/Repeat All while playing CD.
- Press to perform Repeat Track /Repeat Folder/ Repeat All while playing MP3/WMA, or video files on disc.
- Press to perform Repeat Track /Repeat Folder/ Repeat All while playing MP3/WMA, or video files in USB memory.

[⏮], [⏭] Buttons

- Press to seek the next available lower or higher station in Tuner mode.
- Press to select the next lower or higher chapter number in DVD video mode.
- Press to select the next lower or higher track in CD, USB Video, USB Audio mode.

[◀◀], [▶▶]Buttons

- Press to manually select the next lower or higher station in Tuner modes.
- Press to perform fast-backward or fast-forward searching. Press again to change the speed to 2x, 4x, 8x or 16x.

[ZOOM] Button

- Press to turn on and zoom in while playing DVD. You can zoom in up to 3x. (No all DVD disc supports this function).

[AUDIO] Button

- Press to switch the AUDIO channel of the disc while playing DVD.

[SUB-T] Button

- Press to switch next available subtitle while playing DVD.
- Press to display Video menu in iPod mode.

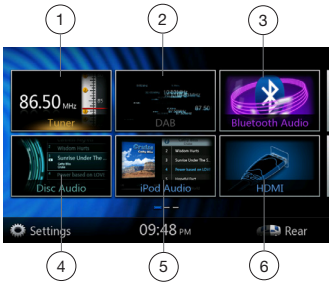
[ANGLE] Button

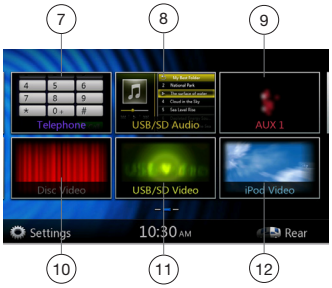
- Press to switch the different ANGLE while playing DVD. (No all DVD disc supports this function)
- Press to display Audio menu in iPod mode.

[OPEN] Button

- Press to eject disc from the unit.

6. MAIN MENU





1 - Tuner---Touch the button to display the Tuner mode.
2 - DAB---Touch the button to display the DAB mode.
3 - Bluetooth Audio--- Touch the button to display the Bluetooth Audio mode.
4 - Disc Audio---Touch the button to display the Disc Audio mode.
5 - iPod Audio---Touch the button to display the iPod Audio mode.
6 - HDMI---Touch the button to display the HDMI mode.
7 - Telephone--- Touch the button to display the Telephone mode.
8 - USB/SD Audio---Touch the button to display the USB/SD Audio mode.
9 - AUX1 ---Touch the button to display the AUX1 mode.
10 - Disc Video---Touch the button to display the Disc Video mode.
11 - USB/SD Video---Touch the button to display the USB/SD Video mode.
12 - iPod Video---Touch the button to display the iPod Video mode.
13 - Camera---Touch the button to display the Camera mode.
14 - AUX2 ---Touch the button to display the AUX2 mode.
15 - Audio off---Touch the button to make audio source voice off.
16 - Setting button---Touch the button to display the Setting menu.
17 - Rear---Touch the button to display the Rear mode.

Scrolling the menu

Flicking to right or left it will switch to next or previous page of main menu.

Moving the menu position

1. Touch any quadrate icon on main menu more than 2 seconds, the icon will float on main menu.
2. Scrolling the floating icon to any position you want.

7. DVD VIDEO PLAYER OPERATIONS

Discs

Playable discs
This DVD video player can play the following discs.

Playable discs		
DVD video discs	Audio CD	CD TEXT

Playable media files		
MP3/WMA/AAC	DivX	MP4

About CD Extra disc
A CD Extra disc is a disc in which a total of two sessions have been recorded. The first session is Audio session and the second session is Data session.
Your personally-created CDs with more than second data sessions recorded cannot be played on this DVD video player.
Note:
- *When you play a CD Extra disc, only the first session will be recognized.*

About playing a CD-R/CD-RW disc (MP3, WMA and AAC)
This player can play CD-R/CD-RW discs previously recorded in music CD format (MP3, WMA and AAC).

About playing a DVD-R/RW or DVD+R/RW disc
MP3/WMA/AAC files recorded on DVD-R/ RW and DVD+R/RW discs can be played.
Discs that cannot be played back
This DVD video player cannot play back DVD-Audio, DVD-RAM, Photo CDs, etc.
Note:
- *It may also not be possible to play back CDs recorded on a CD-R unit and CD-RW unit. (Cause: disc characteristics, cracks, dust/dirt, dust/dirt on player's lens, etc.)*
- *If a CD-R or CD-RW disc that has not been finalized is played, it will take a long time to start playing. Also, it may not be possible to play depending on its recording conditions.*
- *You cannot play SuperAudio CD Playback of the CD player is not supported even if it is a hybrid disc.*

About MP3/WMA/AAC playback
This unit can play back CD-R/CD-RW, DVD-R/RW and DVD+R/RW discs on which MP3/WMA/AAC music data have been recorded.
For a detailed information, see the section entitled "Listening to compressed audio".

Note on region numbers
The DVD video system assigns a region number to DVD video players and DVD discs by sales area. DVD video players sold in Europe can play back DVD discs with the region number **"ALL"**, **"2"** or any combination of numbers that also incorporate a **"2"**.
The DVD video region number is marked on the disc jacket as shown below.

Europe

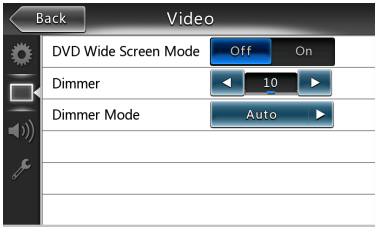
Change DVD System Settings

Note:

If the setup operation is performed in the middle of DVD video play, the disc will restart from the beginning.

Selecting DVD Setup Menu

1. Press the **[Settings]** button on the Main Menu to access the Video setup menu.
2. Press **Video[ ] button**. The video menu is displayed.



Setting up the Screen Size

Press the **[DVD Wide Screen Mode]** button to turn on or turn off the DVD wide screen mode.

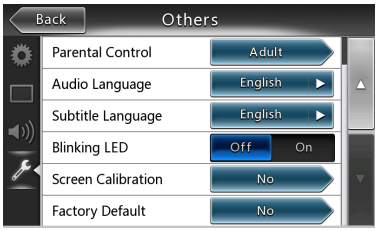
The factory default setting is “off”

Note: Not all DVD disc support this function.

Setting up the password for parental level control

The factory default pass code is “0000”.

1.In Main Menu press **[Settings]** button. Press **Others[ ]** button on the display. Touch the **[Set Password] ----** and a numerical key pad will appear.



Input a new password and come again. The password is set.

Note:

When a disc with view restrictions is inserted, you will be prompted to input this password. The disc will not be viewable until the correct password is entered.

Set rating for parental level control

1.Select **Others** screen while in **Setting** mode. Press the **[Parental Control]** button. Press the desired rating for level control. Use this table to set the parental level.

Kid Safe	Kid Safe
G	General Audiences
PG	Parental Guidance Suggested
PG-13	Parents Strongly Cautioned
PG-R	Parental Guidance Restricted
R	Restricted
NC-17	No One 17 And Under Admitted
Adult	Only Adult

- The contents that the parental level restricts vary with the country code.

Note: *The rating can be selected only under the password unlocked status, and the limits can be set only under the password locked status.*

Watching to a disc

1. To load a disc:

Insert the disc into the center of the insertion slot the label side facing up.

⚠ CAUTION

For your safety, the driver should not insert or eject a disc while driving.

Note:

- *Never insert foreign objects into the disc insertion slot.*
- *If the disc is not inserted easily, there may be another disc in the mechanism or the unit may require service.*
- *8cm (single play) discs cannot be used.*

2. Disc starts playing automatically.

⚠ WARNING

Some videos may be recorded at higher than desired volume levels. Increase the volume gradually from the minimal setting after the video has started.

Ejecting a disc

1. To eject a disc press Eject **[⏏]** button. The play mode then switches to the Tuner mode.

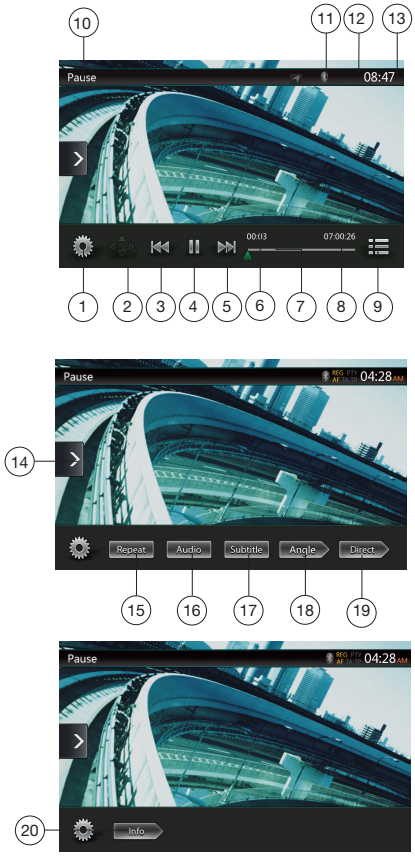
   If the disc is left in the ejected position for 10 seconds, the disc is automatically reloaded. In this case, the play mode will remain in the Tuner mode.

Note: *If you force a disc into before auto reloading, it may damage a disc.*

Showing DVD Player mode screen

-After disc is loaded, the play mode is automatically engaged.

Touch any place of the screen to display DVD Video menu touch the screen again to return the playback screen. The display will return to the playback screen, if you do not touch the screen for 10 seconds.



1 - Option Button
2 - Show Cursor Keys Button
3 - Previous Chapter /Fast Backward Button
4 - Play/Pause Button
5 - Next Chapter /Fast Forward Button
6 - Elapsed Playing Time
7 - Seek Bar
8 - Total Time
9 - Menu List Button
10 - DVD Playback Info
11 - Bluetooth Status
12 - REG,TA,PTY,AF,TP Status
13 - System Time
14 - Shortcut Button
15 - Repeat Switching Button
16 - Audio Channel Switching Button
17 - Subtitle Switching Button
18 - Angle Button
19 - Direct Chapter or Title Searching Button
20 - Info Button

Operate the DVD Player Menu

You can select the button items displayed in the DVD menu by directly pressing it.

Play/Pause Playback

1. Press the **Pause [ ]** button to pause during playback.
2. Press the **Play [ ]** button again to resume playback.

Skip (Search) a Chapter

1. Press [⏮] or [⏭] button during playback.

Chapters are skipped down or up from current locations, as many times as the button is pressed, and playback starts.

Skip Use Seek Bar

Press the **triangle** [▲] on seek bar and drag it to any position where you want to start playback.

Fast Forward/Fast Backward

1. Press [⏮] or [⏭] button and hold 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playing with normal speed.

Note:

- *The fast forward and fast backward speed may differ depending on the disc.*

Search Function

You can locate the beginning of a scene using the chapter numbers or title numbers recorded on the DVD Video disc.

1. Showing the DVD Video menu in the **Option** [⚙] button, press the **Direct** [Direct] button. The Key Pad screen appears with the chapter/Title number input mode.

   Pressing the **Chapter** [Chapter] button turns the Key Pad to the chapter number input mode.

   Pressing the **Title** [Title] button turns the Key Pad to the title number input mode.

- **Title**

A large segment to divide the data area of the disc.

- **Chapter**

A small segment to divide the data area of the disc.

2. Input the number of the title/chapter that you want to play with the **[0]** to **[9]** key.
3. Press the **OK** [OK] button.

Playback starts from the scene of the input title number or chapter number.

NOTE:

*If the input title/chapter number does not exist or searching with a title/chapter number is not allowed, the screen image will not change.

4. Press the **Back** [Back] button to close the key pad.

Repeat Playback

This operation plays back chapters recorded on the DVD-Video repeatedly.

1. Showing the DVD Video menu, press the **Repeat** [Repeat] button.
2. Press the **Repeat** [Repeat] button once for Repeat Chapter, again for Repeat Title.
3. Press the **Repeat** [Repeat] button again to turn off the repeat playback.

REG,PTY,AF,TA,TP Status

REG,PTY,AF,TA,TP status is related with the Tuner.

Using the Title Menu

On DVD discs containing two or more titles, you can select from the title menu for playback.

1. Press the **List** [ ] button during playback to show the root menu of the DVD Video.
   Touch and hold it during playback to show the title menu.

* Depending on the disc, the title or root menu may not be called.

2. Press the title or root menu screen. And press the Show Cursor keys Button.
3. Select the items in the title or root menu screen by the **Directional** [ ] buttons.

* Depending on the disc, items may not be selected with the directional buttons.

4. Press the **OK** [OK] button to fix on the selected item.
5. Press the **Back** [Back] button.

Switching Audio

On discs in which two or more audios or audio languages have been recorded, you can switch among the audio languages during playback.

1. Showing the DVD Video menu, touch the **Audio** [Audio] button during playback.

- Each time you touch the button, you can switch among audio languages.
- It may take time to switch among audios.

  Depending on the disc, up to 8 kinds of audios may be recorded. For details, see the mark of the disc: (8 Indicates that 8 audios have been recorded).

  When the power is turned on and when the disc is changed to a new one, the language set as the factory default is selected. If that language has not been recorded on disc the language is specified on the disc.

  Depending on the disc, switching may be completely impossible or impossible on some scenes.

Switching Subtitles

On DVD discs in with two or more subtitle languages have been recorded, you can switch among the subtitle languages during playback.

1. Showing the DVD Video menu, press the **Subtitle** [Subtitle] button to select a subtitle during playback. Each time you touch the key, you can switch among subtitles.

- It may take time to switch among subtitles.

  Depending on the disc, up to 32 kinds of subtitles may be recorded. For details, see the mark of the disc: (8 Indicates that 8 kinds of subtitles have been recorded).

  Depending on the disc, switching may be completely impossible or impossible on some scenes.

2. To turn off subtitles, repeat pressing the **Subtitle** [Subtitle] button until subtitles are turned off.

Displaying the Playback Status

Press the **Info** [Info] button on DVD Player mode screen, Playback status is displayed on screen.

Play MP4/DivX Video Files

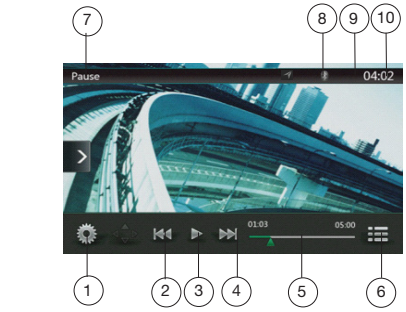
This system can play video files (AVI/MP4, etc.) stored on disc.

Note:

DivX Certified® to play DivX® video, including premium content.

Showing Video Files Player Mode Screen

1. After disc with video files is loaded, press [Disc Video] button on MAIN MENU to show video files player mode screen.
2. Press the screen of the playing video file to display Video files player menu, and press the screen again to return the playback screen. The display will return to the playback screen, if you do not press the screen for 10 seconds.



1 - Option Button
2 - Previous Track /Fast Backward Button
3 - Play/Pause Button
4 - Next Track/Fast Forward Button
5 - Elapsed Playing Time /Seek Bar
6 - List Mode Button
7 - Playback Info
8 - Bluetooth Status
9 - REG,PTY,AF,TA,TP Status
10 - System Time
11 - Shortcut Button
12 - Repeat Button
13 - Audio Button
14 - Subtitle Button

Operate the Video Files Player Menu

You can select the button items displayed in the Video files player menu by directly touching it.

Play/Pause Playback

1. Press the **Pause** [ ] button to pause during playback.
2. Press the **Play** [ ] button again to resume playback.

Switch to Previous/Next File

1. Press [ ] or [ ] button during playback to play previous /next file

Skip Using Seek Bar

Press the triangle on seek bar and drag it to any position where you want to start playback.

Fast Forward /Fast Backward

Press [ ] or [ ] button and hold 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playback with normal speed.

Note:

**The fast forward and fast backward speed may differ depending on the disc.*

Repeat Playback

This operation plays back video files recorded on the disc repeatedly.

The repeat set as the factory default is Repeat all.

1. Showing the video files player menu, press the **Repeat** [Repeat] button.
2. Press the **Repeat** [Repeat] button once for "Repeat Track", again for "Repeat Folder".
3. Press the **Repeat** [Repeat] button again for "Repeat All".

Switching Audio

Some video files will have two or more audio channels; you can switch among the audio channels during playback.

1. Press the **Audio** [Audio] button in **Option** mode during playback.
   - Each time you touch the button, you can switch among audio languages.
   - It may take time to switch among audios.

Depending on the disc, switching may be impossible.

Switching Subtitles

Some video files will have two or more subtitles have been recorded; you can switch among these subtitles during playback.

1. Press the **Subtitle** [Subtitle] button in **Option** mode to select a subtitle during playback.
   - Each time you touch the key, you can switch among subtitles.
   - It may take time to switch among subtitles.

Depending on the disc, switching may be impossible.

Video Files List

Showing the Video files player menu; press the **List** [ ] button to display video files list screen.

Video files list operations is almost same as Disc Audio player mode. Please refer to CD Player Operations.

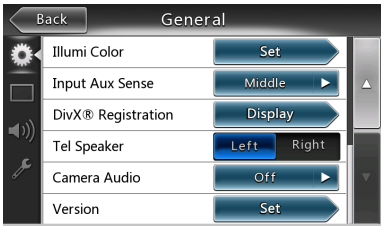
Play DivX Video-On-Demand File

You must complete a one-time registration process in order to play a purchased DivX movie on your DivX device.

Registration is not needed to play free DivX movies you create or download.

Get DivX Registration Code and Register Your Device

1. Press the **[Settings]** button on the Main Menu to access the **[General]** button setup menu.
2. Press the **[General]** button setup , and press the **[DISPLAY]** button on the right side of "DivX® Registration". You will find "10 digit DivX registration code on the screen.



3. Enter this code in DivX Player to create a "Registration video" disc on your PC.Once this "Registration video" disc has played on this device, registration is done, and you can enjoy some purchased DivX movies on your device.

For detail please visit "http://www.divx.com/vod"

4. Press the **[OK]** key to close the pop-up window.

Note:

After you register your device, this setting menu is changed to "DivX® Deregistration"

Deregister Your Device

Even after you have finished registration, you can deregister your device if you will not watch purchased movies on this device anymore.

1. Press the **[Settings]** button on the Main Menu to access **[General]** setup menu.
2. Press **[General]** setup button, and press **[SET]** key on the right side of "DivX® Deregistration". You will be asked if you want to deregister this device, then press **[YES]** key in the pop-up screen.

3. Note 10 digit "Deregistration code" in the pop-up screen. Keep this code until you deregister this device on your PC.
4. Deregister this device by using the "Deregistration code" on your PC.

For detail please visit "http://www/divx.com/vod"

Playable disc video files

This system can play video files stored on disc.

*.avi files

- format: Divx 4/5/6
- Picture size: 720 x 480
- Audio format: MP3
- Audio sampling frequency: 32/44.1/48 KHz

*.mp4 files:

- format: MPEG4 Visual Simple @L1
- Picture size: 720 x 480
- Audio format: AAC
- Audio sampling frequency: 32/44.1/48 KHz

*.mpg files

- format: MPEG2
- Picture size: 720 x 480
- Audio format: MP3
- Audio sampling frequency: 32/44.1/48 KHz

*.divx files

- format: Divx 3.11/4/5/6
- Picture size: 720 x 480
- Audio format: MP3
- Audio sampling frequency: 32/44.1/48 KHz

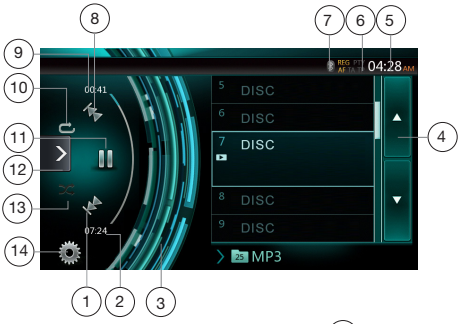
8. CD PLAYER OPERATIONS

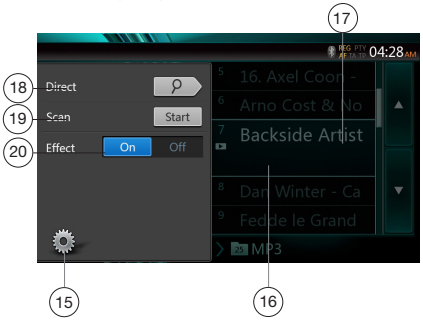
Listening to a disc/Ejecting a disc

Please refer to Disc Video Player Operations -watching to a disc and ejecting a disc.

Showing CD Player mode screen

1. After disc is loaded, the play mode is automatically engaged.
2. If disc have been loaded you can touch **[Disc Audio]** button on main menu to display CD player mode screen.





1 - Next Track/Fast Forward Button
2 - Total Time Indicator
3 - Rotation Effect
4 - Page Turning
5 - System Time
6 - REG,PTY,AF,TA,TP Status
7 - Bluetooth Status
8 - Previous Track /Fast Backward Button
9 - Elapsed Playing Time Indicator
10 - Repeat Button
11 - Play/Pause Button
12 - Shortcut Button
13 - Shuffle Button
14 - Option Button
15 - Close Option Menu Button
16 - Artist/Album Information
17 - Song Title
18 - Direct Searching Button
19 - Scan Start/Stop Button
20 - Rotation Effect On/Off Button

Operate the CD Player menu

You can select the button items displayed in the CD player menu by directly touching it in list.

Play/Pause Playback

1. Press the **Pause [ ]** button to pause during playback.
2. Press the **Play [ ]** button again to resume playback.

Switch to Previous/next file or track

Press [ ] or [ ] buttotn during playback to play previous /next file.

- Pressing [ ] button starts playback from the beginning of the next track.
- Pressing [ ] button starts playback from the beginning of the current track. When this button is pressed again within 5 seconds, playback starts from the beginning of previous track.

Fast Forward /Fast Backward

Press [ ] or [ ] button and hold more than 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playback with normal speed.

Note:

** The fast forward and fast backward speed may differ depending on the disc.*

REG,TA,PTY,AF,TP Status

REG,TA,PTY,TP,AF status arerelated to Tuner

Repeat Playback

* The repeat set as the factory default is Repeat All.

Press the **Repeat**[ ] button switch between "Repeat Folder", "Repeat All" and "Repeat Track".

Shuffle Playback

1. Press the **Shuffle** [ ] button to shuffle the tracks during playback.
2. Press this button again to turn off the feature.

Selecting a Track on the Track List Screen

This function allows you to select tracks from a displayed list.

1. Press the track title on the display list. The selected track will start playing.
2. When the desired track is not displayed, press and flick the track list up or down.

3. Press the desired track title key. The corresponding track is started playback.

Scanning the TracksOption

1. Press the **Option** [⚙] button to show **[Scan Start** Start **]** button.
2. Press **[Scan Start** Start **]** button during playback.

- It will play from next track, and each track will display for 10 seconds.
- The **[Scan Start** Start **]** button will switch to **[Scan Stop** Stop **]**button.

3. Press **[Scan Stop** Stop **]** button.

- It will continue playback from current track.
- **[Scan Stop** Stop **]** button will switch to **[Scan Start** Start **]** button.

* The function will scan all tracks orderly in the disc . After Scan stopped, playback will continue.

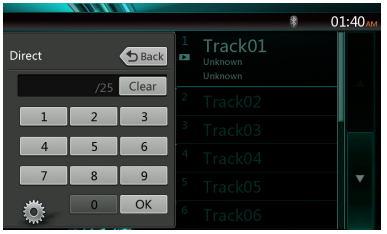
Searching with the Track NumberOption

This operation allows searching the track numbers recorded on the CDs.

1. Press the **Option** [⚙] button to show [🔍] button.
2. Press [🔍] button .The numerical keypad will appear on the screen and press the **OK** [OK] button.
3. Input the track number that you want to play back with **[0]** to **[9]** button and press **[OK]** button.

Playback starts from the track of the input track number.

- If the input track number does not exist or searching with track number is not allowed, the screen image will not change.
- Press the **Back** [Back] button will close the numerical keypad.
- Press the **Option** [⚙] Button will close the option window and display playback screen.



Rotation Effect On/Off

This operation allows turn on/turn off rotation effect.

The factory default is On.

1. Press the **Option** [⚙] button to show the **[Effect]** button.
2. Press the **On** [On] button will turn on the Rotation effect.
3. Press the **Off** [Off] button will turn off the Rotation effect.

Listening to compressed Audio

This system can play audio files stored on disc.

MP3/ WMA/ AAC

Tag Display Function

This unit is an ID3 Tag compatible model.

This unit supports the ID3 TAGs of the Version 2.4, 2.3, 1.1 and 1.0.

In displaying, this unit gives priority to the Version 2.3 and 2.4 TAGs.

Note:

• Some CDs recorded on CD-R/RW mode may not be usable.

Displaying MP3/WMA/AAC TAG Menu

Tag information can be displayed for compressed audio file containing Tag information.

MP3: title, artist, album

WMA: title, artist

AAC: can not display tag information.

Precautions When Creating MP3 Disc

- **File extensions**

1. Always add a file extension ".MP3" or ".mp3" to an MP3 file, and ".WMA" or ".wma" to a WMA and ".m4a" to a AAC file by using single byte letters. If you add a file extension other than specified or forget to add these file extension, the file cannot be played. In addition, if you use upper case and lower case letters (capital and small letters) mixed for file extensions, normal play may not be possible.
2. Files other than MP3/WMA/AAC data cannot be played.

   Playing files with a format not supported will be skipped, and the scan, random and repeat playback mode may be canceled.

- **File and Disc Not Supported**

Files and discs with following extensions are not supported: *.AAC, *.DLF, *.M3U, *.PLS, *.MP3 PRO files, files with DRM, open session discs.

- **Logical format (File system)**

1. When writing an MP3/WMA/AAC file on a disc, please select "ISO9660 level 1 or level 2 (without including expansion format)" as the writing software format. Normal playback may not be possible if the disc is recorded on another format.
2. The folder name and file name can be displayed as the title during MP3/WMA/AAC play.

- **Entering File and Folder Names**

Names using the code list characters are the only file names and folder names that can be entered and displayed. Using any other character will cause the file and folder names to be displayed incorrectly.

- **Folder structure**

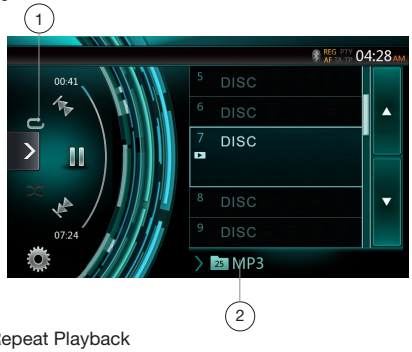
1. A disc with a folder having more than 8 hierarchical levels will conflict with the ISO9660 and playback will be impossible.

- **Number of files or folders**

1. The maximum allowable number of folders is 200 (including root directory); the maximum allowable number of files is 1500 (max. 200 per folder). This represents the maximum number of tracks that can be played back.
2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC.)

- Some noise may occur depending on the type of encoder software used while recording.
- In case of a track recorded at VBR (variable bit rate), the display for the play time of the track may be slightly different from the actual play time. Also, the recommended value of VBR ranges from 32 kbps to 320 kbps.
- After disc selection, the play mode is automatically engaged.

Playback MP3/WMA/AAC Menu



1. Repeat Playback

While playing MP3/WMA/AAC, press the **Repeat [ ]** button to switch between “Repeat Folder”, “Repeat All” and “Repeat Track”.

2.Current Folder

- Showing title of current folder.
- The number on the folder symbol is the number of files and folders number in current folder.
- Press the title of current folder, play list will show files and folders in upper folder.

**Other operations about playing MP3/WMA/AAC are almost same as CD Player mode.*

Stop Playback

1. Press the **Pause [ ]** button to stop playback.
2. Press the **Play [ ]** button again to resume playback. Playback resumes from start of the folder which playing track is in.

•Other operations about playing MP3/WMA/AAC are almost same as CD Player mode.

9. USB/SD AUDIO OPERATIONS

This system can play audio files (MP3/WMA/AAC/FLAC) stored in an USB memory which is recognized as “USB Mass Storage Class device”and SD. You can use your USB/SD memory as an audio device by simply copying desired audio files into it.

Note:

- *This system will not operate or may operate improperly with some USB/SD memory.*
- *Files protected with any DRM cannot be played*

Notes on using USB/SD memories

General notes

- When no support files, the file list display nothing.

Notes on the Audio files

- This system can play the MP3/WMA/AAC/FLAC files stored in the USB/SD memory.

MP3 files:

- format: MPEG1/2 Audio layer3
- bit rate: 8k ~ 320kbps
- sampling frequency: 8/12/16/24/32/44.1/48KHz
- file extension: . mp3

WMA files:

- format: Windows media Audio standard L3 profile
- bit rate: 32 ~ 192KHz
- sampling frequency: 32/44.1/48 KHz
- file extension: .wma

AAC files

- format: Advanced Audio Coding LC-AAC, HE-AAC
- sampling frequency: 32/44.1/48 KHz
- file extension: . m4a

FLAC files

- format: Free Lossless Audio Codec
- quantization bit rate: 16 or 24 bits
- sampling frequency: 44.1~96 KHz
- file extension: . flac

Notes on the folder structure

- The folder hierarchy must be within 8 hierarchical levels. Otherwise, playback may be impossible.
- The maximum allowable number of folders is 65535 (including root directory and folders with no MP3 files, WMA/AAC/FLAC files).
- The maximum allowable number of files in a folder is 65535.
- You can store the MP3 files, WMA/AAC/FLAC files together in a folder.
- The system may become slow if the files or folders exceed the limitation above.

Notes on the Tag titles

The limitations on the Tag titles are same as those in CD Audio Player mode.

Select USB/SD Audio mode

Connect your USB/SD memory with MP3 files, WMA/AAC/FLAC files to the USB/SD connector. The system will automatically detect the connected device, and the **[USB/SD Audio]** button on Main Menu will be enabled.

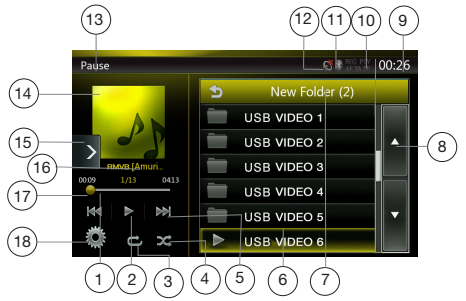
- When an USB/SD memory is already connected

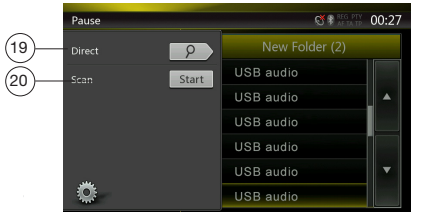
press **[USB/SD Audio]** button to select the USB/SD Audio mode.

The system changes to the USB/SD Audio mode and starts playback from the previous position or from the beginning.

Note:

If you reconnect the same device that you disconnected last, the system will play back where it left off.





1- Elapsed Playing Time Indicator/Seek Bar
2- Play/Pause Button
3- Repeat Button
4- Shuffle Button
5- Next Track/Fast Forward Button
6- MP3 Files, WMA Files in List
7- Folders in List
8- Page Turning
9- System Time
10- REG,PTY,AF,TA,TP Status

11- Bluetooth Status
12- Mute Status
13- Playback Status Info
14- Album Art
15- Shortcut Button
16- Current ID3 Info Area
17- Previous Track /Fast Backward Button
18- Option Button
19- Direct Button
20- Scan Button

Playing Audio Files in USB/SD Memory

Play/Pause Playback

1. Press the **Pause** [ ] button to pause during playback.
2. Press the **Play** [ ] button again to resume playback.

Switch to Previous/Next File

Press [ ] or [ ] button during playback to play previous /next file.

- Pressing [ ] button starts playback from the beginning of the next track.
- Pressing [ ] button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track.

Fast Forward /Fast Backward

Press [ ] or [ ] button and hold more than 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x .Release the button will continue playback with normal speed

Note:

**The fast forward and fast backward speed may differ depending on the audio files.*

Repeat Playback

* The repeat set as the factory default is “Repeat All”.

Press the **Repeat** [ ] button once for “Repeat Track”, again for “Repeat Folder”, “Repeat All”.

Shuffle Playback

1. Press the **Shuffle** [ ] button to shuffle the tracks during playback.
2. Press this button again to turn off the feature.

Album Art work

If current audio file contains album art image in ID3, the picture will be displayed in this area.

ID3 Info Area

This area display ID3 info of playing file: song title, artist information, album information, number of current file/total number in current folder, elapsed playing time/total time of current file.

Skip Use Seek Bar

Press on seek bar and drag it to any position where you want to start playback.

Select a Folder on Display List

Press the folder title on the display list, the display list will display files and folders in selected folder.

Selecting a Track on the Display List

This function allows you to select tracks from a displayed list.

1. Press the track title on the display list. The selected track will start playing.
2. When the desired track is not displayed, press and flick the track list up or down.
3. Press the desired track title key. The corresponding track is started playback.

Scanning the Tracks

1. Press the **Option** [ ] Button to show **[Scan Start** Start **]** button.
2. Press **[Scan Start** Start **]** button during playback.

- It will play from next track, and each track will display.
- The **[Scan Start** Start **]** button will switch to **[Scan Stop** Stop **]** button.

3. Press **[Scan Stop** Stop **]** button.

- It will continue playback from current track.
- **[Scan Stop** Stop **]** button will switch to **[Scan Start** Start **]** button.

* The function will scan all tracks orderly in current folder once. After Scan stopped, playback will continue.

REG,PTY,AF,TA,TP Status

The status of REG.PTY.AF.TA.TP status is related to tuner.

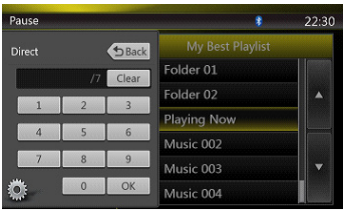
Searching with the Track Number

This operation allows searching using the track numbers in playing folder.

1. Press the **Option** [ ] Button to show [ ] button.
2. Press [ ] button .The numerical keypad will appear on the screen.
3. Input the track number that you want to play back with **[0]** to **[9]** key and touch **[OK]** key.

Playback starts from the track of the input track number.

- If the input track number does not exist or searching with a track number is not allowed, the screen image will not change.
- Press the **Back** [Back] button will close the numerical keypad.
- Press the **Option** [ ] button will close the option window and display playback screen.



10. USB/SD VIDEO OPERATIONS

This system can play USB/SD video files (MP4, 3GP etc.) stored in an USB memory which is recognized as "USB Mass Storage Class device"and SD. You can use your USB/SD memory as an video device by simply copying desired video files into it.

Note:

- *This system will not operate or may operate improperly with some USB/SD memory.*
- *Files protected with any DRM cannot be played.*

Notes on Using USB/SD Memories

General notes

When no support files, the file list display nothing.

Notes on the folder structure

The limitations on the folder structure are same as those in USB Audio Player mode.

Notes on the Tag titles

The limitations on the Tag titles are same as those in CD Player mode.

Select USB/SD Video Mode

Connect your USB/SD memory with video files to the USB/SD connector. The system will automatically detect the connected device, and the **[USB/SD Video]** button on Main Menu will be enabled.

- **When an USB/SD memory is already connected**

Touch **[USB/SD Video]** button on Main Menu to select the USB Video mode.

The system changes to the USB/SD Video mode and starts playback from the previous position or from the beginning.

Note: *If you reconnect the same device that you disconnected last, the system will play back where it left off.*

Playing Video Files in USB/SD Memory

If the video is playing, touch the screen of the playing video to display Operation buttons.

* The display will return to the playback screen, if you do not touch the screen for 10 seconds.

Playable Video file

*.mp4 files
- format: MPEG4 Visual
  MPEG4 AVC (H.264)
- Picture size: 1280 x 720 (MPEG4 Visual)
  1280 x 720 (MPEG4 AVC)
- Audio format: AAC
- Audio sampling frequency: 32/44.1/48 KHz

*.m4v files
- format: MPEG4 Visual
  MPEG4 AVC (H.264)
- Picture size: 720 x 480
- Audio format: AAC
- Audio sampling frequency: 32/44.1/48 KHz

*.mpg files
- format: MPEG2
- Picture size: 720 x 480
- Audio format: MP3
- Audio sampling frequency: 32/44.1/48 KHz

*.3gp files
- format: MPEG4 Visual H.263
- Picture size: 720 x 480
- Audio format: AAC, AMR
- Audio sampling frequency: 8/16/32/44.1/48 KHz

1 - Previous Track /Fast Backward Button
2 - Play/Pause Button
3 - Next Track/Fast Forward Button
4 - Elapsed Playing Time Indicator/Seek Bar
5 - Menu List
6 - Repeat Button
7 - System Time
8 - REG,PTY,AF,TA,TP Status
9 - Bluetooth Status
10 - Mute Status
11 - Time Information
12 - Video Name/Speed Information/Play or Pause Information
13 - Shortcut Button

Play/Pause Playback

1. Press the **Pause [ ]** button to pause playback.
2. Press the **Play [ ]** button to resume playback.

Switch to Previous/Next File

Press [ ] or [ ] button during playback to play previous /next file.

- Pressing [⏭] button starts playback from the beginning of the next track.
- Pressing [⏮] button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track
- Press [⏮] or [⏭] button and hold more than 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playback with normal speed.

REG,PTY,AF,TA,TP Status

The status of REG,PTY,AF,TA,TP Status is related to tuner

Repeat Playback

* The repeat set as the factory default is “Repeat All”.

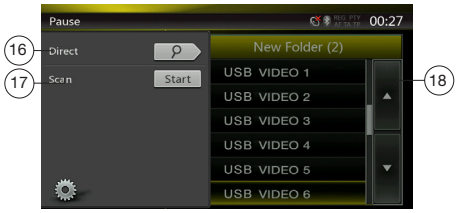
Touch the **Repeat [ ]** button once for “Repeat Track”, again for “Repeat Folder”, again for “Repeat All”.

Skip Use Seek Bar

Press the on seek bar and drag it to any position where you want to start playback.

Switch to USB/SD Video Menu

Press **the List [ ]** button playback will be paused, and the screen will switch to USB/SD Video List.



1 - Option Button
2 - Play/Pause Button
3 - Repeat Button
4 - Next Track/Fast Forward Button
5 - Shuffle Button
6 - Video Files in List
7 - System Time
8 - REG,PTY,AF,TA,TP Status
9 - Bluetooth Status
10 - Playback Status Info
11 - Album Art
12 - Shortcut Button
13 - Current File Info Area
14 - Elapsed Playing Time Indicator/Seek Bar
15 - Previous Track /Fast Backward Button
16 - Direct Button
17 - Scan Button
18 - Page Tuning

REG,PTY,AF,TA,TP Status

The status of REG,PTY,AF,TA,TP status is related to tuner.

Play/Pause Playback

*On USB/SD Video menu screen, playback status is pause.

Press **the Play [ ]** button to resume playback. The screen will go to video screen automatically.

Switch to Previous/Next File

Press [⏮] or [⏭] button during playback to play previous /next file.

- Pressing [⏭] button starts playback from the beginning of the next track.
- Pressing [⏮] button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track.
- Press [⏮] or [⏭] button and hold more than 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playback with normal speed.

Repeat Playback

* The repeat set as the factory default is “Repeat All”.

Press the **Repeat [ ]** button once for “Repeat Track”, again for “Repeat Folder”, again for “Repeat All”.

Shuffle Playback

1. Press the **Shuffle [ ]** button to shuffle the tracks in playing folder during playback.
2. Press this button again to turn off the feature.

Current File Info Area

This area displays info of current video file: file name, number of current file/total number in current folder, Elapsed playing time/total time of current file.

Skip Use Seek Bar

Press the on seek bar and drag it to any position where you want to start playback.

Select a Folder on Display List

This operation is same as this in USB Audio mode.

Selecting a Track on the Display List

This operation is same as this in USB Audio mode.

Scanning the Tracks

This operation is same as this in USB Audio mode.

Searching with the Track Number

This operation is same as this in USB Audio mode.

11. iPod/iPhone OPERATIONS

iPod/iPhone can be connected by using the connector cable supplied with the iPod/iPhone, but in this case, you can enjoy its audio sound only. To enjoy video movies stored in the iPod/iPhone with video displaying them on this unit, it is required to use the special connector cable (CCA-750) separately sold.However the new products such as iPhone 5, iPhone 5s, iPhone 5c, iPod touch® (5th generation) and iPod nano® (7th generation) only can connect Lightning™ cable (no signal output). These products cannot display video in video mode.

Note:

- *This system will not operate or may operate improperly with unsupported versions.*
- *For detailed information on the playable iPod/iPhone models, see our home page: www.clarion.com*

Notes on Using Apple iPod/iPhone

- Do not connect an iPod/iPhone to this unit with a headphone connected to the iPod/ iPhone.
- After the iPod/iPhone has been connected to this unit, the buttons of iPod are disabled for operation in the Music mode. In the Video mode, do not operate the buttons of iPod.
- When in the iPod mode, the screen image input from the AUX terminal, and is output to the rear monitor.
- When no data is present, the title display will remain blank.
- Set the language setting of iPod/iPhone to English before connecting your iPod/iPhone. Some characters of the other languages may not be displayed correctly in this system.

Precautions on Battery Consumption:

If the iPod/iPhone is connected to this unit when the internal battery of iPod/iPhone has run down, this function may not operate correctly. You must connect the iPod/iPhone after charging the battery if it has run down.

iPod Audio Menu Operations

Connect your iPod/iPhone to the USB connector. The system will automatically detect the connected device and the **iPod Audio** button will be enabled for operation on the Main Menu screen.

Note:

1.When iOS device is connected via both USB and Bluetooth at the same time and select iPod mode, iOS device is controlled by USB connecton.
2. When the iPod mode and operate the audio player or internet radio other than iPod, there is a case that iPod doesn't playback correctly. Please don't operate the audio payer or internet radio other than Pandora when the Pandora mode.
3. During iOS device is connected by Bluetooth, and select the iPod mode, the volume level is controlled by only iOS device.
4. During iOS device is connected by Bluetooth, Album jacket image is not displayed.

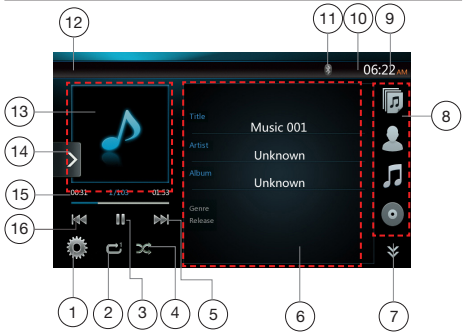
The playback starts after a while, from where the iPod/ iPhone has been paused.

- When iPod/iPhone is already connected

Press the **[iPod Audio]** button on the Main Menu screen. The system changes to the iPod mode, and starts playback from the previous position.

Press MENU button on Operational Panel to return to the Main Menu.

iPod Audio ID3 Info



1 - Option Button
2 - Repeat Button
3 - Previous Track /Fast Backward Button
4 - Shuffle Button
5 - Next Track/Fast Forward Button
6 - ID3 Information
7 - Next Page / Previous Page Button
8 - Category List
9 - System Time
10 - REG,PTY,AF,TA,TP Status
11 - Bluetooth Status
12 - Playback Status
13 - Art Work
14 - Shortcut Button
15 - Previous Track /Fast Backward Button
16 - Progress bar

Play/Pause Playback

1. Press the **Pause [ ]** button to pause during playback.
2. Press the **Play [ ]** button again to resume playback.

Switch to Previous/Next File

- Press [ ] or [ ] button during playback to play previous /next file.
- Pressing [ ] button starts playback from the beginning of the next track.
- Pressing [ ] button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track.

Fast Forward /Fast Backward

Press [ ] or [ ] button and hold more than 2 seconds to start fast backward or fast forward during playback.

Note:

**The fast forward and fast backward speed may differ depending on the audio files.*

Repeat Playback

* depend on iPod.

Press the **Repeat [ ]** button once for Repeat Track, twice for Repeat all, again for Repeat Off.

Shuffle Playback

1. Press the **Shuffle [ ]** button to shuffle the tracks in playing folder during playback.
2. Press this button again to turn off the feature.

Album Art Work

If current audio file contains album art image in ID3, the picture will be displayed in this area.

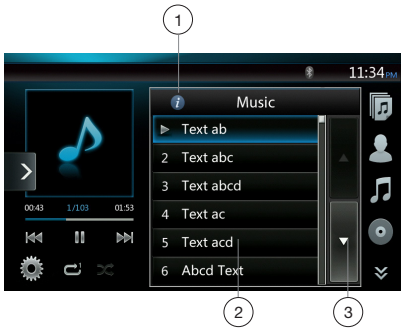
ID3 Info Area

This area display ID3 info of playing file: song title, artist information, album information (Genre, playlist and release time).

Category List

Select different category songs to play. The category is same as the iPod/iPhone.

iPod Audio Playlist Mode Screen



1 - Switch to Information Button
2 - Playing List
3 - Page Turning

4 - Back to Father Folder
5 - Close the List Mode
6 - Search with the First Alphabet in Current List

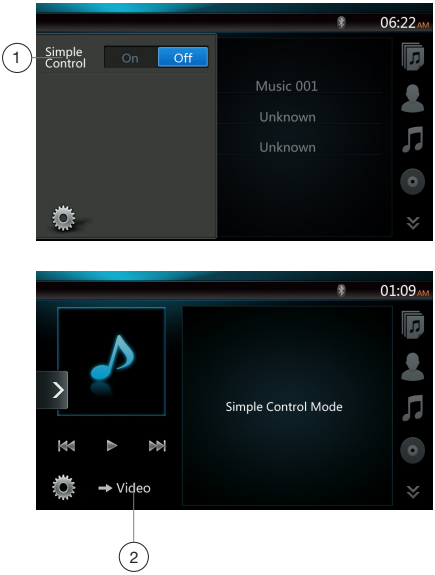
iPod Audio List Mode Screen

• In the ID3 information mode screen, press the ID3 info area to switch the playing list, and in the playing list mode screen, press the **Information [ ]** button can back to the father folder. If the list is in root, press it can close the list.

• Press the **Back [ ]** button can back to the father folder. If the list is in root, press it can close the list.

• Press the **Close [ ]** button to close the List and back to the ID3 information mode.

Simple Control Mode

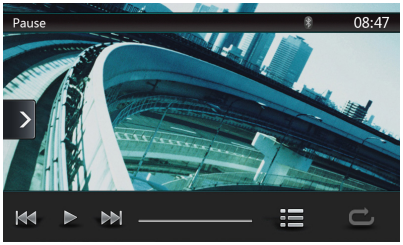


1 - Simple Control Button

2 - Video Mode Button

• If the Simple Control is set to the **On [On]** in option menu, the screen will become Simple Control Mode. It can also display the video of iPod/iPhone regardless, it is iPod Audio or iPod Video mode. But only “Previous Track”、“Play/Pause” and “Next Track” can be operated.

• Press the **Video [Video]** button will play from iPod.



Skipping a Track (Simple Control Mode)

Press the [⏮] or [⏭] button during playback. Tracks are skipped, as many times as the button is pressed, and playback starts.

- Pressing the [⏭] button starts playback from the beginning of the next track.
- Pressing the [⏮] button starts playback from the beginning of the current track.

When this button is pressed again within about 5 seconds, playback starts from the beginning of the previous track.

Note: *in Simple Control Mode, the best way is to control the iPod just on iPod.*

iPod Video Menu Operations

Connect your iPod/iPhone to the USB connector. The system will automatically detect the connected device and the iPod Video button will be enabled for operation on the Main Menu screen.

- **When an iPod/iPhone is already connected**

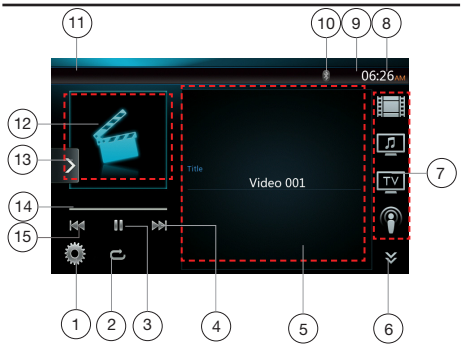
Touch the **[iPod Video]** button on the Main Menu screen. The system changes to the iPod Video mode, and starts playback from the previous position.

Press **[MENU]** button on Operational Panel to return to the Main Menu.

- **Viewing video data in the iPod/iPhone (only for the iPod/iPhone with video features)**

When you connect an iPod/iPhone with video features by using the optional connector cable for iPod/iPhone with video, you can enjoy the video data and slide show data stored in the iPod/iPhone and show them on the display of this unit (and the rear monitor if connected).

iPod Video ID3 Mode Screen



1 - Option Button
2 - Repeat Button
3 - Play/Pause Button
4 - Next Track Button
5 - Playing File Title
6 - Next Page / Previous Page Button
7 - Category List
8 - System Time
9 - REG,PTY,AF,TA,TP Status

10 - Bluetooth Status
11 - Playback Status
12 - Art Work
13 - Shortcut Button
14 - Progress Bar
15 - Previous Track Button

Play/Pause Playback

1. Press the **Pause [ ]** button to pause during playback.
2. Press the **Play [ ]** button again to resume playback.

Switch to Previous/Next File

• Press [ ] or [ ] button during playback to play previous /next file.
• Pressing [ ] button starts playback from the beginning of the next track.
• Pressing [ ] button starts playback from the beginning of the current track.

Repeat Playback

* The repeat set as the factory default is depend on iPod/iPhone.

Press the **Repeat [ ]** button once for “Repeat One”, again for “Repeat All”, again for “Repeat Off”.

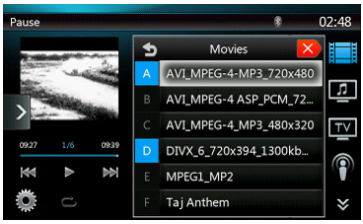
ID3 Info Area

The area is display the title of the playing file.

Category List

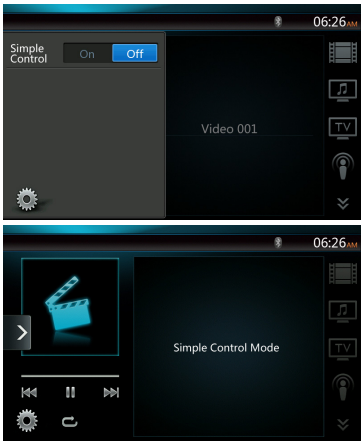
Select different category videos to play. The category is same as the iPod/iPhone.

iPod Video List Mode Screen



This operation is same as this in iPod Audio mode.

iPod Video Simple Control Mode Screen



This operation is same as this in iPod Audio mode.

iPod Video Play Mode Screen

1 - Previous Track /Fast Backward Button
2 - Play/Pause Button
3 - Next Track/Fast Forward Button
4 - Progress Bar
5 - Menu List Button
6 - Repeat Button
7 - System Time
8 - REG,PTY,AF,TA,TP Status
9 - Bluetooth Status
10- Playback Info

Play/Pause Playback

1. Press the **Pause [ ]** button to pause during playback.
2. Press the **Play [ ]** button again to resume playback.

Switch to Previous/Next Track

- Press [⏮] or [⏭] button during playback to play previous /next track.
- Pressing [⏭] button starts playback from the beginning of the next track.
- Pressing [⏮] button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track. beginning of the current track.

Fast Forward /Fast Backward

Press [⏮] or [⏭] button and hold more than 2 seconds to start fast backward or fast forward during playback. Release the button will continue playback with normal speed.

Note:

**The fast forward and fast backward speed may differ depending on the audio files.*

Repeat Playback

* The repeat set as the factory default is “Repeat Off”.

Touch the **Repeat [ ]** button once for “Repeat One”, again for “Repeat All”, again for “Repeat Off”.

Note:

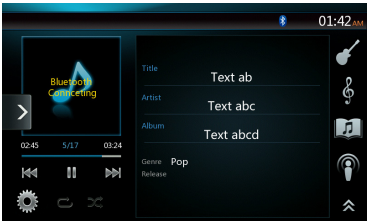
The operation in iPod video mode is same as iPod Audio mode. Please refer to the iPod Audio Mode operation.

Note:

- *Video is not displayed when the automobile is moving.*
- *Image data may not be played back according to the status of the iPod/iPhone*
- *The volume setting of video data is relatively lower than audio data. Be sure to lower the volume setting before switching to the other mode.*
- *Do not select the categories with no track registered from the iPod menu screen. The iPod/iPhone may be frozen. If the iPod/iPhone is frozen, reset the iPod/ iPhone by following the procedure described in the instruction manual of the iPod/iPhone.*
- *Audio may be played back slightly out of synchronization with video images.*

iPod Audio Bluetooth Mode

When your iPod/iPhone have connected via bluetooth to this unit, you can also enter iPod Audio mode. The operation is same as the normal iPod Audio mode.



12. Bluetooth AUDIO PLAYER OPERATIONS

Some Bluetooth cellular phones have audio features, and some portable audio players support the Bluetooth feature. These devices will be called as "Bluetooth audio players" in this manual. This system can play audio data stored in a Bluetooth audio player.

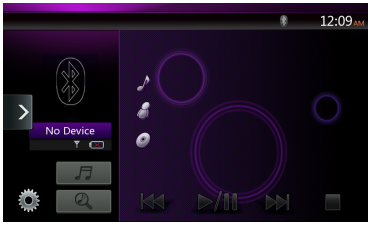
Note:

- *This system will not operate or may operate improperly with some Bluetooth audio players.*

Selecting the Bluetooth Audio Mode

1. Press the **[Bluetooth Audio]** button to select the Bluetooth Audio mode.
   The system changes to the Bluetooth mode. If the connection with a Bluetooth audio player has been already established, you may select the Music function.
2. Press **[MENU]** button on Operational Panel to return to the Main Menu.

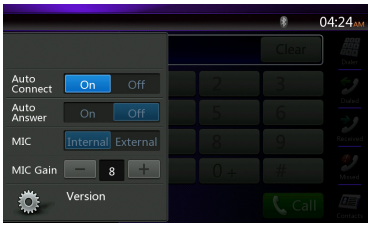
- When the connection with blue icon a Bluetooth audio player has been established, the **Bluetooth** [ ] icon is displayed at the top of the screen.



Bluetooth Audio Player Settings

You can confirm various information concerning about the Bluetooth interface features.

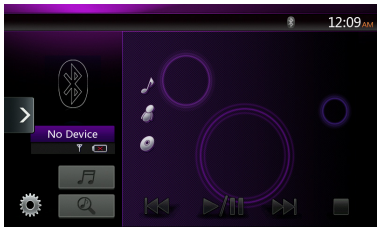
1. Press the **Option** [ ] button to display the information on the screen.
2. When you finish confirming the Bluetooth information, press the **Option** [ ] button to return to the previous screen.



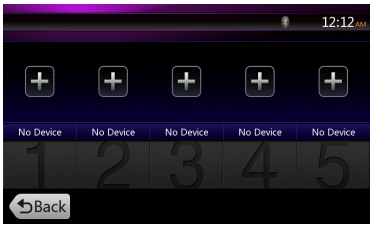
Registering Your Bluetooth Audio Player (Pairing)

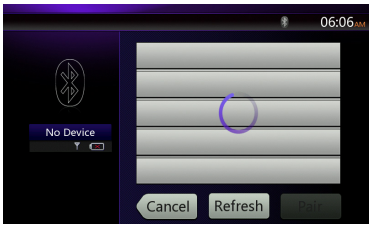
Your mobile phone Bluetooth version is under 2.0.
Please input PIN code "0000".
You can register up to 5 Bluetooth audio players.

1. Turn on the power of the Bluetooth audio player you wish to register.
2. Press the **Device** [ ] icon to display the device select screen.

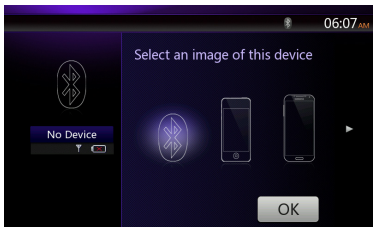


3. Press the [ ] button to display the inquiring device screen.

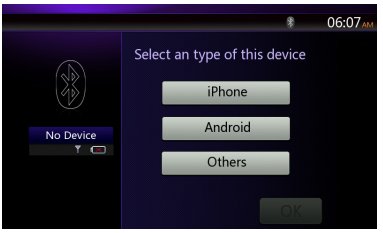




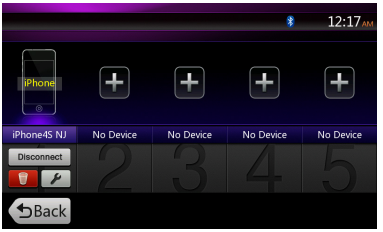
4. Press your desired device and press the **Pair** [Pair] button to register for the Bluetooth audio player.



And select a type of this device.



When the pairing operation completes, the registered Bluetooth audio player is set as the current device, after selecting the favorite icon, the display return to the device list screen. Press the **Back** [Back] button, the display will return to the Bluetooth audio mode screen.



- **To delete the Bluetooth audio player registration**

1. Press the **Trash** [ ] button to delete the device.

A confirmation screen is displayed.

2. Press the **Yes** [Yes] button to confirm delete.

Selecting the Bluetooth Audio Player

To change the current Bluetooth audio player to the other device which is already registered, perform the following operation.

1. Press the **Device** [ ] icon to display the device select screen.
2. Press the currently connected device, then press the **Disconnect** [Disconnect] button to disconnect the active device.
3. Press the desired device key you wish to use. Press **Connect** [Connect] button to select it as your active device. The corresponding cellular phone is set as current telephone.
4. Press the **Back** [Back] button to return to the previous screen.

Controlling the Bluetooth Audio Player

Note:

- *Occasionally, depending on the environment, playback sounds may be fragmented, or switch noises may be generated.*

Playing a Music

After the connection with a Bluetooth audio player is established, the play mode is automatically engaged.

- When playback is not started for some devices, press the **Play/Pause** [▶/II] button manually.

Pausing Playback

1. Press the **Play/Pause** [▶/II] button during playback.

Playback Pauses

2. To resume playback, press the **Play/Pause** [▶/II] button. Playback resumes.

Skipping a Track (Searching)

3. Press the [⏮] or [⏭] button during playback.

Stopping Playback

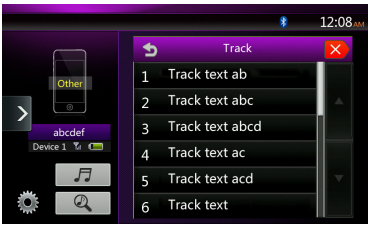
4. Press the **Stop** [■] button during playback.

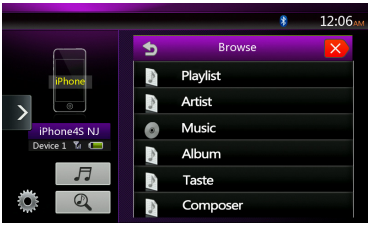
Tracks are stopped, press the **Play/Pause** [▶/II] button to playback from the previous position.

Show Track List

5. Touch the [♫] button to show the current track list.

Touch the [🔍] button to show all of the lists. And you can playback any tracks by touch the items in the list.





13. Bluetooth TELEPHONE OPERATIONS

When the connection with your Bluetooth cellular phone is established, the following functions are available on this unit:

- Listening to your telephone calls on the car speakers.
- Answering to an incoming call.
- Making a call using the Ten-Key pad screen.
- Making a call using the Phone Book data in the selected cellular phone.
- Making a call using the History data of the dialed/ received calls.

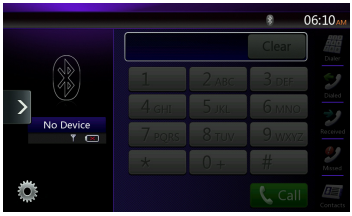
Note:

- *Some cellular phones may not be able to transfer the Phone Book data to head unit.*
- *The Phone Book data transmission may take a long time. The operations of sending calls are disabled during the data transmission.*

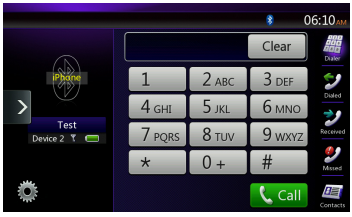
Select the BT Phone Mode

1. Press the **[Telephone]** button on **Main Menu** to select the Bluetooth telephone mode.
   The telephone screen is displayed.

- When no Bluetooth telephone connected, the **BT** [ ] icon is displayed at the top of the screen.



- When the connection with a Bluetooth telephone has been established, the **BT** [ ] icon and signal level indicator are displayed at the top of the screen.

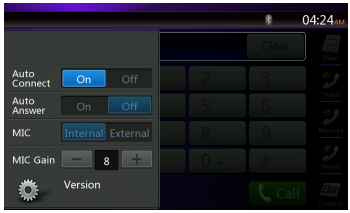


2. Press **[MENU]** button on Operational Panel to return to the **Main Menu**.

Bluetooth Telephone Settings

You can confirm various information concerning about the Bluetooth interface features.

1. Press the **Option** [ ] button to display the information on the screen.
2. Perform setting for the desired item. See the following sections for detail.
3. When you finish confirming the Bluetooth information, press the **Option** [ ] key to return to the previous screen.



Setting Automatic Connection

The system automatically reconnects the cellular phone after the connection is lost or the system is restarted.

- The factory default setting is “ON”. Press the **On** [On] or **Off** [Off] button of the Automatic Connection item in Option to set the function ON or OFF.

Setting Automatic Answer

If a call comes in, answer automatically after 5 seconds.

- The factory default setting is “OFF”. Press the **On** [On] or **Off** [Off] button of the Automatic Answer item in Option to set the function ON or OFF.

Setting Microphone Gain

You can adjust the input level of the microphone in 16 levels.

- Press the level indicator button of the Microphone Gain item in Option to adjust the input level.

Note:

- *The input level of the microphone can be affected by its surroundings. Adjust the level if the person on the other end of the telephone has a reception problem.*

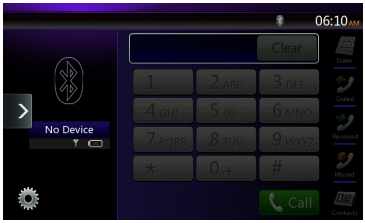
Registering Your Cellular Phone (Pairing)

You can register up to 5 cellular phones. The registering method is the same as "Registering your Bluetooth audio player".

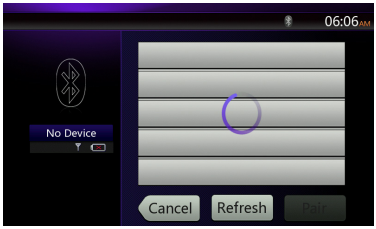
Your mobile phone Bluetooth version is under 2.0.

Please input PIN code "0000".

1. Turn on the power of the cellular phone you wish to register.
2. Press the **Device [ ]** icon to display the device select screen.



3. Press the [ ] key to display the inquiring device screen.



4. Press your desired cellular key to select the key for the cellular phone to be registered, and press the **Pair** [Pair] button to register for the Bluetooth cellular phone.
   - You cannot select the Cellular button of which another cellular phone is already registered. Select a blank Cellular button.
5. If entering the Pass Key code is prompted on your cellular phone, enter the Pass Key code set in this unit.
   - You can change the Pass key setting of this unit from the Bluetooth Info screen under the Telephone Settings screen.

When the pairing operation completes, the registered cellular phone is set as the current telephone, and the display returns to the Telephone screen.

- To delete the cellular phone registration

1. Press the **Trash** [ ] button to delete the device. A confirmation screen is displayed.
2. Press the **Yes** [Yes] button to confirm delete.

Select the Cellular Phone

To change the current cellular phone to the other device which is already registered, perform the following operation.

1. Press the **Device** [ ] icon to display the device select screen.
2. Press the currently connected device, then press **Cut** [Cut] button to disconnect the active device.
3. Press the desired device icon you wish to use. Press **Connect** [Connect] button to select it as your active device. The corresponding cellular phone is set as the current telephone.
   - If the power of the cellular phone is not turned on, turn it on.
   - The cellular phone may prompt to acknowledge the Bluetooth connection or to enter the Pass Key code of this unit. Perform these operations according to the message displayed.
4. Press the **Back** [Back] button to return to the previous screen.

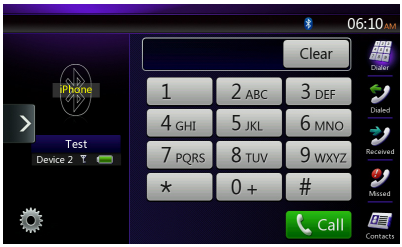
Obtaining the Phone Book Data

Sending the Phone Book data from the cellular phone enables you to make a call using the Phone Book function from this unit.

Telephone Operations

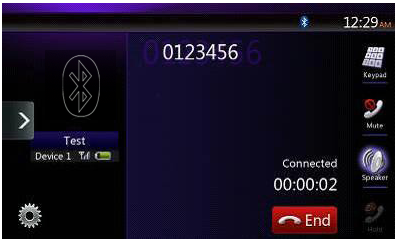
Making a Call Using the Ten-Key Pad

1. Press the **Dialed** [ ] button to display the Ten-Key pad screen.
2. Enter the telephone number by using the Ten-Key pad displayed on the screen.



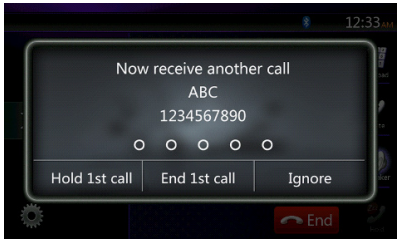
3. Press the **Call** [Call] button to call the entered number.

- The following Telephone interrupt screen is displayed during phone call.



- Press the **Speaker** [Speaker] button to talk by using the cellular phone and canceling the hands-free function (Private Mode). To return to the hands-free mode, press the **Speaker** [Speaker] button again.
- Press the **Mute** [Mute] button to mute the microphone. Now you can hear the other side, but the other side cannot hear your side.
- Press the **Hold** [Hold] button to hold the current phone call, now you can answer to the other incoming call. Press again to talk with previous call

  If during a call with a third-party call, you can keep the current call to answer a third party or hang up the current call to answer a third party. You can also ignore the third-party calls.



4. When the call is finished, press the **End** [End] button to hang up.

Note:

- *Depending on some special cellular phone, the Telephone Interrupt screen may be closed and the connection with this system may be disconnected when entering the Private mode.*

Making a Call Using the Phone Book

You can use the Phone Book data obtained from the cellular phone to make a call from this unit.

Note:

- *Before using this function, the Phone Book data must be sent from the cellular phone.*
- *Only the Phone Book items with at least one telephone number registered in the captured Phone Book data are displayed on the Phone Book screen.*

1. Press the **Contacts** [Contacts] button to display the Phone Book screen.
2. Press the desired name key you wish to dial.

- Flick the list up and down to scroll the list.

3. Press the **Call** [Call] button to call the specified number. The Telephone Interrupt screen is displayed, and calling starts.

- When the call is finished, touch the **End** [End] button to hang up.

Making a call using the History

The system will memorize the Dialed/Received calls record data in the memory. You can confirm it and use it to make a call from this unit.

1. Press the **Dialed** [Dialed] button. The History List screen is displayed.

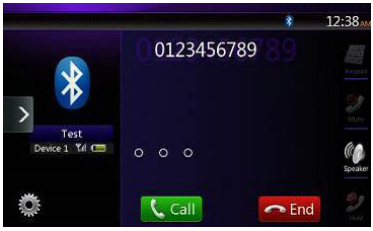
- The items are sorted by Dialed, Missed and Received calls.
- Flick the list up and down to scroll the list.

2. Press the desired History item key you wish to dial.
3. Press the **Call** [Call] button to call the specified number. The Telephone Interrupt screen is displayed, and calling starts.

- When the call is finished, press the **End** [End] button to hang up.

Answering to an Incoming Call

When a call comes in, the following telephone interrupt screen appears.



You can answer to the incoming call on this system by the following operation.

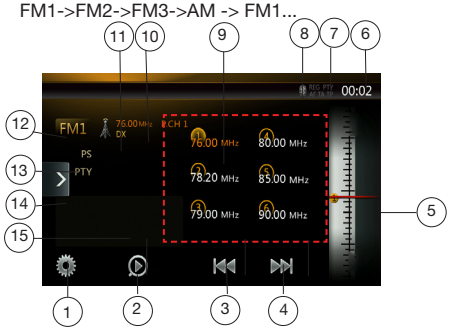
1. Press the **Call** [Call] button to answer the call.
2. When the call is finished, press the **End** [End] button to hang up.

14.TUNER OPERATIONS

The tuner in this head unit contains RDS (Radio Data System) in FM band.

Listening to the Tuner

1. Press the [Tuner] button on the Main menu to display the tuner mode.
2. Press the **[FM1/FM2/FM3/AM]** button to select the band. Each time the button is pressed, the radio reception band changes in the following order: FM1->FM2->FM3->AM -> FM1...



1. Option Button
2. Preset Scan Button
3. Seek Down
4. Seek Up
5. Frequencies Scroll Display
6. System Time
7. REG,PTY,AF,TA,TP Status
8. Bluetooth Status
9. Preset List
10. Frequencies and Channels Display
11. DX/Local Display
12. Band Button
13. PS and PTY Name
14. Shortcut Button
15. Radio Text Display

Seek Tuning

1. Press the **[FM1/FM2/FM3/AM]** button to select the radio band (FM or AM).
2. Press the [⏮] or [⏭] button

• When Press the [⏭] button, the station is searched in the direction of higher frequency.

• When Press the [⏮] button, the station is searched in the direction of lower frequency.

Step Tuning

1. Press the **[FM1/FM2/FM3/AM]** button to select the radio band (FM or AM).
2. Press the [▲] or [▼] button in frequency menu to tune up or down the step by step.

Recalling a Preset Station

1. Press the **[FM1/FM2/FM3/AM]** button to select the desired band (FM or AM) on the tuner.
2. Press the preset station (1 to 6) on Preset List.

Manual Memory

1. Press the desired band key to select the band you wish to store.
2. Tune to a station you want to store using the seek tuning, step tuning, or preset tuning.
3. Press and hold the desired preset button you want to store for about 2 seconds.

RDS Function Setting

Press the **Option** [⚙] to set the RDS operation.
note:

The RDS operation does not work during AM radio reception.

1. TA (Traffic Announcement) Function

When a traffic announcement broadcast starts during the TA standby mode, the traffic announcement broadcast is received as higher priority regardless of the current function mode, so you can listen to it. The Traffic Program (TP) automatic tuning is also available.

Setting TA Standby Mode

Turn TA switch to ON, TA standby mode is set and “TA” will be displayed at the top of the screen.

When an RDS broadcast station with traffic announcement program is received, “TP” will be displayed at the top of the screen.

Note: If no TP station is received this system continues the search operation. Performing the above procedure again makes the “TA” turns to off, and stops TP station searching.

Canceling a Traffic Announcement Broadcast

Press the **[Cancel]** button while a Traffic Announcement broadcast is being received. The Traffic Announcement broadcast reception is canceled, and the system goes into the TA standby mode.

Canceling TA Standby Mode

When “TA” is displayed on the screen, turn TA switch to OFF, “TA” on the screen goes off, and the TA standby mode is canceled.

Volume Setting of TA

The volume of TA can be set during TA interruption.

2. AF (Alternative Frequency) Function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.

Switching ON/OFF the AF Function

Turn AF switch to ON/OFF, AF function turns to ON/OFF. When the AF function is ON, “AF” will be displayed at the top of the screen.

If the reception of the current broadcast station deteriorates durably, “AF” indication will blink, and this unit searches for the same program on another frequency.

3. REG (Regional Program) Function

When the REG function is ON, the optimum regional station can be received. When this function is OFF, if the regional station area is switched as you drive, a regional station for that region is received.

Note:

This function is disabled when a national station such as BBC R2 is being received.

The REG function ON/OFF setting is enabled only when the AF function is ON.

Switching ON/OFF the REG Function

Turn REG switch to ON/OFF, REG function turns to ON/OFF. When the REG function is ON, “REG” will be displayed at the top of the screen.

4. PTY (Program Type) Function

This function enables you to listen to a broadcast of the specified program type when the broadcast starts, even if the system operates in a mode other than the Tuner mode.

Some countries do not yet have PTY broadcast.

In the TA standby mode, a Traffic Announcement broadcast station has priority over a PTY broadcast station.

Selecting PTY

Press the **Program** [News] button, the list of PTY program is displayed.

Flick and press your desired PTY program button, you can select PTY program.

Press the **Back** [Back] button to return to previous screen.

Setting PTY Standby Mode

Turn PTY switch to ON, PTY standby mode is set and “PTY” will be displayed at the top of the screen.

Canceling PTY Standby Mode

When “PTY” is displayed on the screen, turn PTY switch to OFF, “PTY” on the screen goes off, and the PTY standby mode is canceled.

PTY Seek

Press the **Seek** [Seek] button, seek starts to find the selected PTY program.

5. Emergency Broadcast

If an emergency broadcast is received, all the function mode operations are stopped. “Alarm” appears on the screen and the emergency broadcast can be heard.

Auto Store

The Auto Store is a function for storing up to 6 stations that are automatically searched in sequentially. If the number of receivable stations cannot reach to 6, the previous stored station remains.

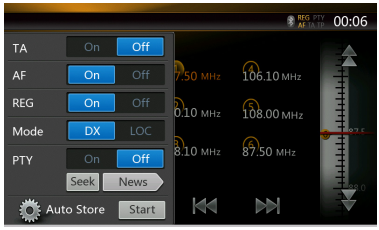
1. Press the **[FM1/FM2/FM3/AM]** button to select the desired band. (FM or AM)
2. Press the **Option** [ ] button, and then press the **Start** [Start] button to start the Auto Store.

The station with good reception are stored automatically to the preset list.

Notes:

1. After auto store, the previous stored stations will be overwritten.

2. The unit has 4 bands, but FM3 and AM can store by AS function.



Preset Scan

The Preset Scan receives the stations stored in the preset memory in order. This function is useful when searching for the desired station in memory.

1. Press the **[FM1/FM2/FM3/AM]** Button to select the desired band. (FM or AM)
2. Press the **Preset Scan** [ ] button to start the Preset Scan.

The head unit starts scanning each station for playing 10 seconds sequentially. But the received station is not a valid station, the scanning time is only 2 seconds.

3. When the desired station is tuned in, press the **Preset Scan** [ ] button again to keep in that station.

Mode Setting

The DX / Local setting changes the tuner sensitivity in order to separate closely spaced stations. This feature is useful in areas that have many radio stations in close proximity.

1. Press the **Local** [Local] button to switch to local tuner sensitivity.
2. Press the **DX** [DX] button to switch to DX tuner sensitivity.

15. DAB OPERATIONS

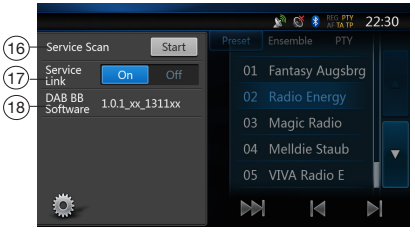
Note:
1. DAB is not broadcast everywhere.
2. This content is optional. If you connect DAB unit, you can use.
3. DAB unit is sold separately.

Notes:

If DAB doesn't work normally, please check the connection to DAB unit.

Listening to the DAB

1. Touch the **[DAB]** button on the **Main Menu** . The DAB mode screen is displayed.
2. Press the [DAB1/DAB2/DAB3] button to select the DAB band. Each time the button is pressed, the DAB reception band changes in the following order: DAB1->DAB2->DAB3->DAB1 -> DAB2...



1. DAB Information Display
2. Option Button(Open/Close)
3. Preset Scan Button
4. Previous Ensemble/Seek Button
5. Next Ensemble/Seek Button
6. Previous Service in Current Ensemble Button
7. Next Service in Current Ensemble Button
8. List Page Down Button
9. List Page Up Button
10. System Time
11. REG,PTY,AF,TA,TP Status
12. Bluetooth Status
13. PresetList/ServiceList/PTYList Switch Button
14. Preset number/Channel number/Service number/ FM Link display
15. DAB Band Button
16. Srevice List Update Button
17. Service Link Mode Button
18. Soft Version Display

Seek Tuning

You can tune to the Ensemble and select the Service which is currently broadcast.

1. Press the [⏮] or [⏭] button to tune to previous or next ensemble station manually step by step.
2. Long press the [⏮] or [⏭] button to seek and tune to previous or next available ensemble station.
3. Press [⏮] or [⏭] button to select and tune to previous or next Service in current Ensemble.

Notes:

Total number and the current service number of the current Ensemble is displayed just below the Ensemble frequency display, as in the way "1/16".

Preset List/Service List Display

You can select the list from Preset List, Ensemble List or PTY List.

1. Press the [Preset Ensemble PTY] button to select the list you want to display.
2. When you select "Preset", the list area displays preset services for each DAB Band. If you press service in the list, you can listen to respective service in this list. If you press and hold in the list, you can store current service in this list.

   Preset List will not be changed by Service Scan operation.
3. When you select "Ensemble", the list area displays Ensemble list which were stored by Service Scan. By selecting each Ensemble in the list, it will show the Services in this Ensemble. If you select "ALL Service", you can see all Services in all Ensembles. To go back to Ensemble list just press "back" button.
4. When you select "PTY", the list area displays PTY category list from NEWS, SPORT, CULTURE, POP and OTHERS. By selecting each PTY in the list, it will show the Services in this PTY category. If you select "ALL Service", you can see all Services in all PTY categories. To go back to Ensemble list just touch "back" button.

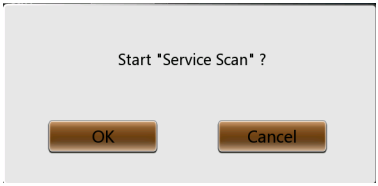
Note:

If you want to update the services in Ensemble list and PTY list with current broadcasting, please perform Service Scan.

Service Scan

When you want to update the list with the current services in Ensemble List or PTY List, please perform Service Scan.

1. Press the **Option** [ ] button to display option menu.
2. In Option, press the **[Start]** button.
3. Press the **[OK]** button to start updating the service list, press the **[Cancel]** button to cancel this operation then back to previous menu.



4. When scanning the services, this image will display.

Notes:

After service scan, currently available services will be updated in the Ensemble List and PTY List.

DAB Band

When press the **Preset Scan** Button,the Band will change as DAB1->DAB2->DAB3->DAB1···

Preset Scan

Preset Scan tunes to the Services stored in the preset list in order.

1. Press the **[DAB1/2/3]** Button to select the desired band.
2. Press the **Preset Scan** [ ] button to start the Preset Scan.

   The head unit starts scanning each station for playing10 seconds sequentially.
3. When the desired station is tuned in, touch the **Preset Scan** [ ] button again to keep in the station.

Service Link setting

You can select Service Link mode from On or Off. If this setting is set to ON, and current Service signal gets weak, it is to be linked to the service with better signal.

1. Press the **Option** [ ] button to open option menu display.
2. Press the On button to switch on.
   Press the Off button to switch off.

Notes:

If the service is linked to the FM station, the FM indicator will be turned on.

16. HDMI MODE

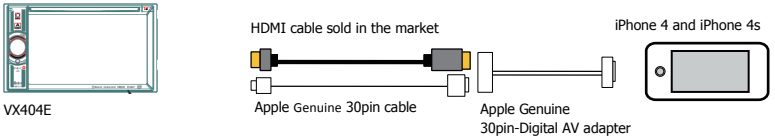
Wire Connection of HDMI

iPhone 4, iPhone 4s, iPhone 5, iPhone 5s and iPhone 5c can be connected by using the connector cable supplied with iPhone 4, iPhone 4s, iPhone 5, iPhone 5s and iPhone 5c and HDMI cable (sold in the market) and digital Av adapter.

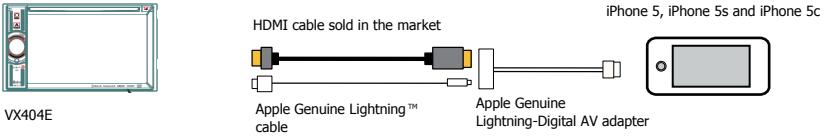
Note:

The following is part of the wiring example.
Depending on the device, there is a case to connect to the device directly with the CCA-771.
Depending on the adapter or device, there is a case that the audio noise and video noise is generated.

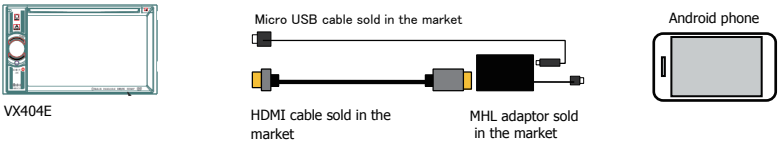
(1) Connection with the iPhone 4 and iPhone 4s



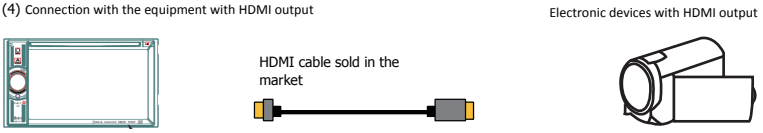
(2) Connection with the iPhone 5, iPhone 5s and iPhone 5c



(3) Connection with the Android phone



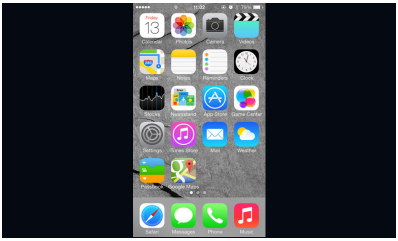
(4) Connection with the equipment with HDMI output



Select HDMI source

Touch the HDMI menu button, then appear the screen of the connected device.

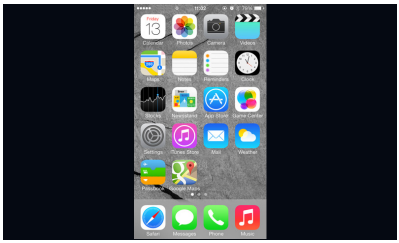
This HDMI mode is only indicate the screen of the iPhone, Android. Can't operate by the touch screen of VX404E



Note:

Depending on the application and model of the mobile phone, there is the case that black frame appears around the screen.

Select DISP source



Press DISP button to display the HDMI video screen .

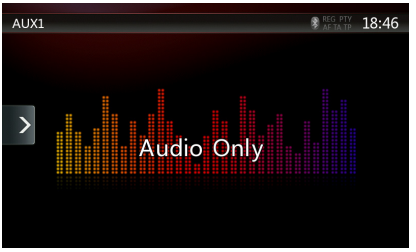
17. AUX

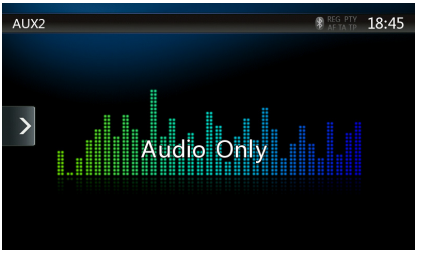
External peripheral devices, including a game console, camcorder, navigation unit, iPod/iPhone, etc. can be connected to the AUX connector on the front or back of this unit using the A/V media cables.

Switching to AUX IN

Touch [AUX1] /[AUX2] button on Main Menu to select desired mode (when unit is reading). If the external device connected to AUX input have audio signal, the unit will broadcast audio of external device. Press Menu button on Operational Panel to return to the Main Menu.

You cannot directly control external devices connected to AUX input.





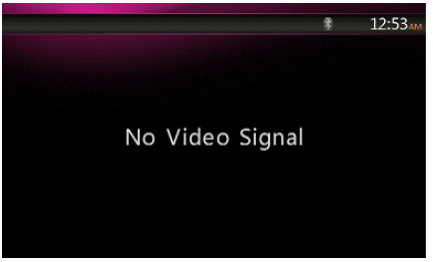
18. CAMERA INPUT OPERATIONS

Switching to Camera mode

Touch [Camera] button on Main Menu.

The LCD will display the external camera video. The screen will display “No Video Signal” message, if a valid camera is not connect to this head unit.

Press MENU button on Operational Panel to return to the Main Menu.

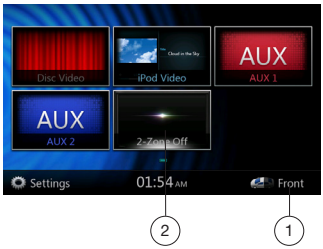


Note:

If the reverse cable is connected correctly to the car, the unit goes to camera mode automatically when the car is in reverses.

19. REAR SOURCE OPERATIONS

If a monitor is installed in the rear zone and connected to the rear zone AV output, passengers in the back seat can watch the DVD/iPod Video/AUX1/ AUX2 video separately from front source.



1. Touch the button to access the front source.
2. Touch the button to close the rear source.

Multi-Zone Operation

Independent sources can be played simultaneously on the unit. For example, a FM/AM console can be playback on the front screen while DVD video is available to rear passengers. But now can't select DVD video in front.

Access Rear-Zone

1. Touch the Rear button on Main Menu to access the Rear Source.
2. Select a source to play.

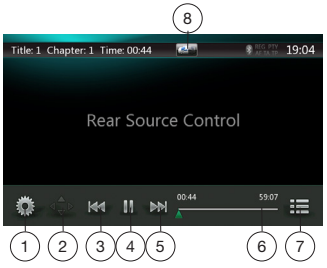
Exit Rear-Zone

Touch the 2-Zone off button to close the Rear Source.

Note:

1. If the source is selected as the front, the source in rear can't be selected.
2. If the source is selected as the rear, the source in front can't be selected.
3. Touch the Front button to access the main menu but not close the Rear Source.

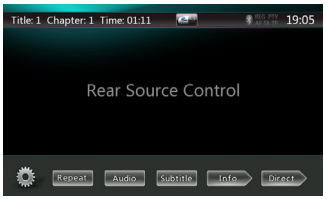
DVD Video in Rear



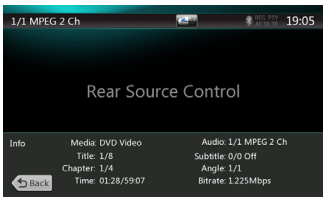
1 -Option button
2 -Show Cursor keys
3 -Previous Chapter /Fast Backward button
4 -Play/Pause button
5 -Next Chapter /Fast Forward button
6 -Elapsed playing time
7 -Menu List button
8 -Front/Rear button

If the screen displays Rear Source, touch Front/Rear button to switch to Front Source.

If the screen displays Front Source, touch Front/Rear button to switch to Rear Source.

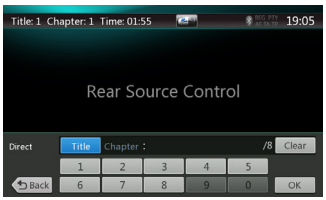


DVD Video Rear Source Control Info Mode



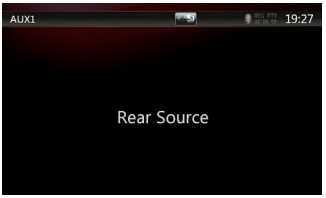
Touch BACK button to return.

DVD Video Rear Source Control Direct Mode

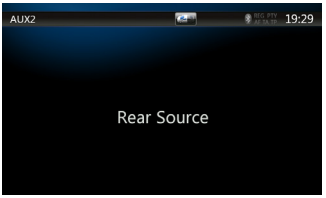


NOTE: More detail please refer to DVD Video Front source.

AUX1

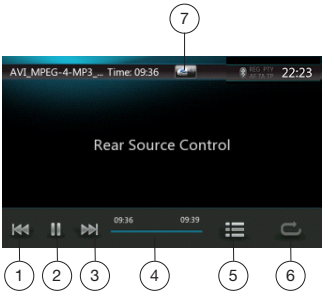


AUX2



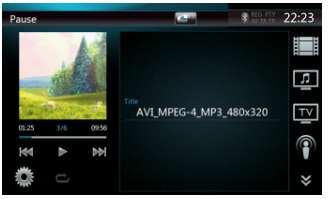
iPod Video in Rear

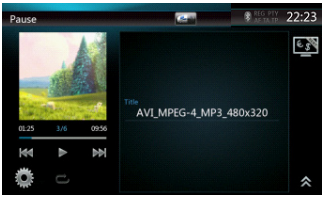
iPod Video Rear Source Control Play Mode



1 - Previous Track /Fast Backward button
2 - Play/Pause button
3 - Next Track/Fast Forward button
4 - Progress bar
5 - Menu List button:
Press the Menu button to display the iPod Video Rear Source mode screen.
6 - Repeat button:
Same as iPod function of front source
7 - Front/Rear button
If the screen displays Rear Source, touch to switch to Front Source.
If the screen displays Front Source, touch to switch to Rear Source.

iPod Video Rear Source ID3 Mode





NOTE:

If the source is selected as the front, the source in rear can't be selected.

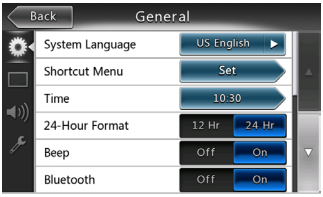
If the source is selected as the rear, the source in front can't be selected.

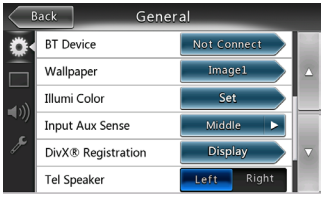
Touch the Front button to access the front main menu but the rear source will keep running.

20. SETTING OPERATIONS

Touch [Setting] button on the Main menu screen.
The Setting menu screen will be displayed.

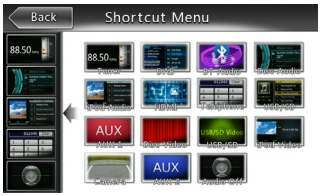
General Setup Menu





System Language: Set the Language for system screen.

Shortcut Menu: Select from shortcut menu and drag it to left side area.



Time: Set system clock.

24-Hour Format: Set the time display mode.
Beep: Turn on or turn off the beep confirmation sound.
Bluetooth: Set the Bluetooth On or Off.
Wallpaper: Choose the desired wallpaper.
There are three optional images, which you can import from USB. Select "Imported 1/2/3" and touch [Import]. The format should be jpeg of less than 5M bytes.

Illumi Color: Set the illumination color on the panel.

Input Aux Sense: AUX input switch, including Low, Middle, High.

DivX® Registration: Display the information about DivX® registration.
Tel Speaker: There are two options, Left and Right. For example, if current setting is Right, when BT phone is coming in, only right speaker can hear the phone.
Version: Display the software version information.

Video Setup Menu

This menu includes: DVD Wide Screen Mode, Dimmer and Dimmer Mode.

DVD Wide Screen Mode: Set the DVD wide screen mode On or Off.

Dimmer: Set Dimmer value from 0 to 20.

Dimmer Mode: There are three options, Day, Night and Auto.

Audio Setup Menu

This menu includes: Balance, Fader, Beat EQ, Subwoofer Ctrl, Subwoofer Phase, High Pass Filter, Low Pass Filter and Magna Bass EX.

Balance: Choose the desired volume for left and right speaker.

Fader: Choose the desired volume for front and rear speaker.

Beat EQ: Choose the desired mode: Bass Boost, Impact, Excite, Custom and OFF.

Subwoofer Ctrl: Choose the desired subwoofer gain from 0 to 14.

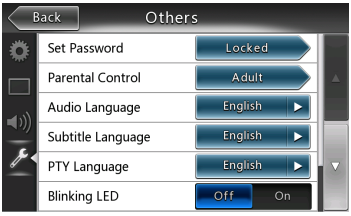
Subwoofer Phase: Choose the Subwoofer Phase normal or reverse.

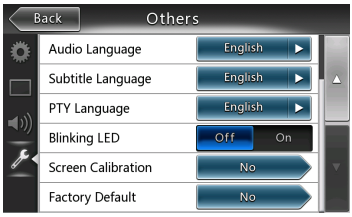
High Pass Filter: Choose the frequency about the high pass filter or enable. The frequencies include 60Hz, 90Hz and 120Hz.

Low Pass Filter: Choose the frequency about the low pass filter or enable. The frequencies include 60Hz, 90Hz and 120Hz.

Magna Bass EX: Choose the loudness On or Off.

Others Setup Menu





This menu include: Set Password, Parental Control, Audio Language, Subtitle Language, PTY Language, Blinking LED, Screen Calibration and Factory Default.

Set Password: Set the password for DVD parental control.

Parental Control: Set the rating of the age. It contains Kid Safe/G/PG/PG- 13/PG-R/R/NC- 17/Adult.

Audio Language: Set the Language for DVD Audio.

Subtitle Language: Set the Language for DVD subtitle.

PTY Language: Set the Language for PTY text.

Blinking LED: Set blinking LED On or Off.

Screen Calibrate: The function of it is to select the TS Calibrate YES or NO.

Factory Default: The function is to select to load factory default or not.

Set the Anti-Theft code

1. If your unit is unlocked, hold the [ ] button more than 2 seconds, then the Anti-Theft setting mode will display. Users can change anti-theft code.

   Touch [YES] button, the numerical keypad is displayed. Enter the new password twice, then anti-theft code is set and your unit is secured.

   When the Anti-theft is “On”, you need enter correct Anti-theft code to turn the unit on. If you enter wrong code three times, the unit is locked, and must be unlocked by the professionals.

2. If your unit is secured, hold the [ ] button more than 2 seconds, then the Anti-Theft setting mode will display. The numerical keypad is displayed, enter the right code to unlock.

Note:

If the anti-theft code is lost or forgotten, a charge will be incurred at the owner's expense by a Clarion service station to unlock the VX404E.

21. TROUBLESHOOTING

GENERAL

Problem	Cause	Measure
Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
	Incorrect wiring.	Consult your installation center.
Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Press the reset button with a thin rod. **Note:** *When the Reset button is pressed, turn off the ACC power.* * When the Reset button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.
The remote control unit does not work.	Direct rays of the sun fall on the light-receptive part of the remote control unit.	When direct rays of the sun fall on the light-receptive part of the remote control unit, it may not work.
	The battery of the remote control unit is dead or there is no battery in the remote control unit.	Check the battery of the remote control unit.

DVD PLAYER

Problem	Cause	Measure
Disc cannot be loaded.	A disc is already loaded.	Eject the disc before loading the new one.
	There is foreign matter already in the disc slot.	Remove the foreign matter, or consult a service station.
Sound skips or is noisy.	Disc is dirty.	Clean the disc with a soft cloth.
	Disc is heavily scratched or warped.	Replace with a disc in good condition.
Sound is bad directly after power is turned on.	Condensation may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.
Video images are not displayed.	The parking brake is not engaged.	Check that the parking brake is engaged.
Disc cannot play with the display "**PARENTAL VIOLATION**" shown.	Feature exceeds set parental level.	Release the view limitation or change the parental level. See the subsection "Setting up the parental level"

USB/SD DEVICE

Problem	Cause	Measure
USB/SD device cannot be inserted.	The USB/SD device has been inserted with wrong direction.	Reversing the connection direction of the USB/SD device, try it again.
	The USB/SD connector is broken.	Replace with a new USB/SD device.
USB/SD device is not recognized.	The USB/SD device is damaged.	Disconnect the USB/SD device and reconnect. If the device is still not recognized, try replacing with a different USB/SD device.
	Connectors are loose.	
No sound heard with the display “NO FILE” shown.	No MP3/WMA file is stored in the USB/SD device.	Store these files properly in the USB/SD device.
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.
The video image of iPod/iPhone is disturbed.	The TV Signal setting of the iPod/iPhone is not set correctly.	Set the TV Signal setting (NTSC/PAL) of the iPod/iPhone correctly.

Bluetooth

Problem	Cause	Measure
Cannot pair the Bluetooth enable device with the car audio system.	The device does not support the profiles required for the system.	Use another device to connect.
	The Bluetooth function of the device is not enabled.	Refer to the user manual of the device for how to enable the function.
The audio quality is poor after connection with a Bluetooth enabled device.	The Bluetooth reception is poor.	Move the device closer to the car audio system or remove any obstacle between the device and the system.

TFT screen

Problem	Cause	Measure
The image is not displayed.	The parking brake is not engaged.	Check that the parking brake is engaged.
The display is dark.	The Dimmer control is too low.	Adjust the Dimmer properly.
	The operating condition is not good.	The temperature inside the vehicle may be 0°C or lower. Set to an appropriate temperature (25°C or so) and check it again.
	The headlight of the vehicle is lit.	The display is made dark at night to prevent the glare (When the headlight of the vehicle is lit in the daytime, the display gets dark). Adjust the Dimmer properly.
There are red, green, and blue points in display.	----------	This is not a failure, but a phenomenon peculiar to a liquid crystal panel (The liquid crystal panel is produced according to technology with very high precision. Note that, though there are effective pixels of 99.99% or more, pixel missing or normally lit pixels account for 0.01%).

22. ERROR DISPLAY

If an error occurs, one of the following displays is displayed.
Take the measures described below to solve the problem.

DVD PLAYER

Display	Cause	Measure
BAD DISC	A disc is caught inside the DVD deck and is not ejected.	This is a failure of DVD deck's mechanism and consult your store of purchase.
BAD DISC	A disc cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
BAD DISC	A disc is loaded upside- down inside the DVD deck and does not play.	Eject the disc then reload it properly.
PARENTAL VIOLATION	Parental level error	Set the correct Parental level.
Disc Region incorrect	Region code error	Eject the disc, and replace correct region code disc.

23. SPECIFICATIONS

FM Tuner

Frequency Range: 87.5 MHz to 108.0 MHz

Usable Sensitivity: 8 dBμV

Stereo Separation: 25 dB (1 kHz)

Frequency Response: 30 Hz to 14 kHz

AM Tuner

Frequency Range: 531 kHz to 1,602 kHz

Usable Sensitivity: 30 dBμV

DVD Player System

Digital Versatile Disc System with CDDA capable

Usable discs:

DVD video disc, Compact disc

Frequency Response: 20 Hz to 20 kHz

Signal/Noise Ratio: 93 dbA

Distortion: 0.05%

Video system: NTSC/PAL

Audio/Video Input

Audio input voltage: $\leq$ 2 V_{rms}

Video input voltage: 1.0 V_{p-p}@75Ω

Audio input sensitivity (at 2 V output)

High: 325 mV_{rms}

Mid: 650 mV_{rms}

Low: 1.3 V_{rms}

Audio/Video output

Video output voltage: 1.0 V_{p-p} @75Ω

Screen Size: 6.2" wide type

Pixels: 1,152,000

Resolution: 800 x 480 x 3 (RGB)

Bluetooth

Specification: Bluetooth Ver 2.1+EDR

Profile: HFP1.5(Hands Free Profile)
HSP1.0 (Headset Profile)
A2DP (Advanced Audio Distribution Profile)
AVRCP1.2,1.3,1.4 (AV Remote Control Profile)
PBAP (Phone Book Access Profile)
SPP (Serial Port Profile)

Power Class: 2

USB

Specification: USB 1.1/2.0 (FS)

Playable Audio format:

MP3,WMA,AAC,FLAC

Playable Video format:

AVI,MP4,MPG/MPEG,3gp

SD

Memory cards: micro SD/SDHC

File system: FAT, FAT16, FAT32

Playable audio format:

MP3,WMA,AAC,FLAC

Playable video format:

AVI,MP4,MPG/MPEG,3GP

General

Power source voltage:

14.4 VDC (10.8 to 15.6 V allowable)

Ground: Negative

Current consumption: 4.0 A @1 W

Auto Antenna Rated Current: 500 mA less

Audio Amplifier

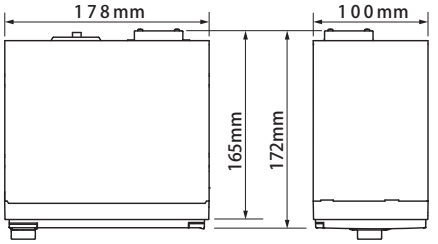
Maximum power output: 180W (45W x 4)

Speaker impedance: 4Ω (4 to 8Ω allowable)

Output power: 4 x 25W DIN 45324, +B=14.4V

Note:

- *Specifications and design are subject to change without notice for further improvement.*



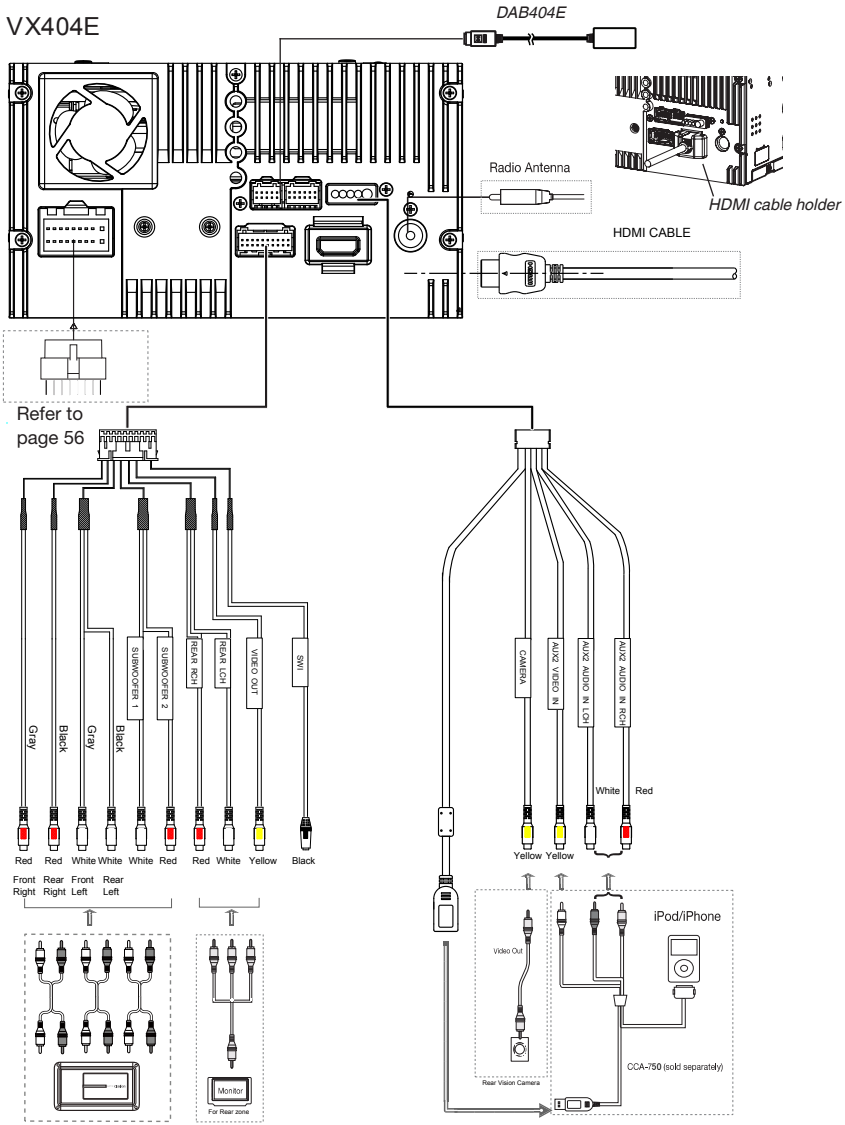
VX404E dimensions:

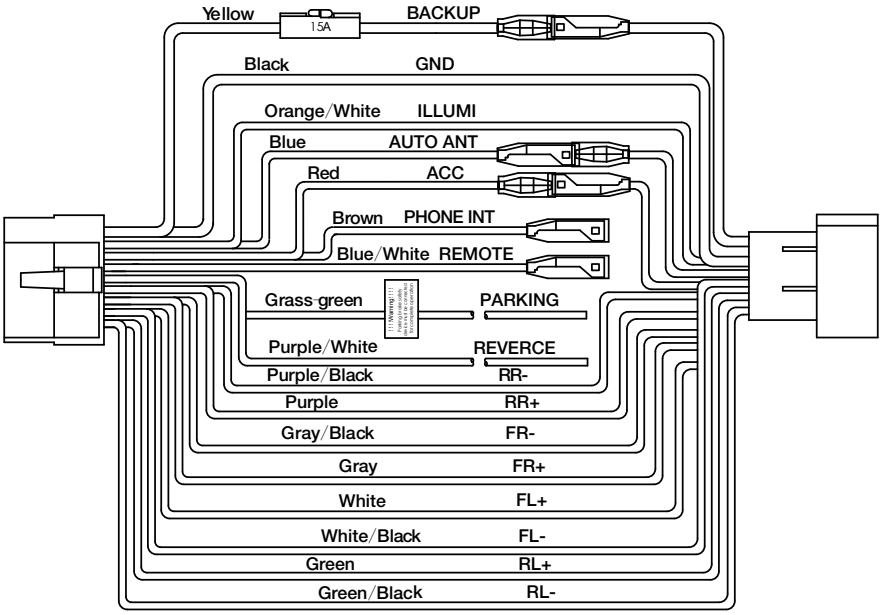
VX404E weight: 2.2 kg

24. WIRE CONNECTION GUIDE

Note:

- *Before installing, be sure to disconnect the negative cable of the car battery.*
- *In the optional devices, the RCA cables and the Connector cables are separately-sold items.*
- *When connect the HDMI cable, be sure to fix with the HDMI cable holder.*





Note:

**1: Connecting the PHONE MUTE terminal*
It will mute the audio if the lead receives a negative or ground signal.

Clarion Co., Ltd.

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